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VOLUME 1 OF 2

RESULTS OF WIND TUNNEL TESTS
OF AN ASRM CONFIGURED 0.03 SCALE SPACE
SHUTTLE INTEGRATED VEHICLE MODEL (47-OTS)
IN THE AEDC 16-FOOT TRANSONIC WIND TUNNEL
(IA613A)

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

(NASA-CR-185696) RESULTS OF WIND
TUNNEL TESTS OF AN ASRM CONFIGURED
0.03 SCALE SPACE SHUTTLE INTEGRATED
VEHICLE MODEL (47-OTS) IN THE AEDC
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(IA613A)

by

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Prepared under NASA Contract Number NAS9-17840

by

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for

NAVIGATION, CONTROL & AERONAUTICS DIVISION

JOHNSON SPACE CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
HOUSTON, TEXAS

WIND TUNNEL TEST SPECIFICS:

Facility Test No.	PWT-TF-829
SSV Test No.	IA613A
Model Number/Scale:	47-OTS/0.03
Test Dates:	March 27 through April 12, 1991
Test Hours: Occupancy:	94.2 Hours
Air On:	35.8 Hours
No. of Runs/Data Points:	464/1887

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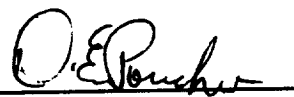
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**Results of Wind Tunnel Tests
of An ASRM Configured 0.03-Scale
Space Shuttle Integrated Vehicle Model (47-OTS)
In The AEDC 16 Foot Transonic Wind Tunnel
(IA613A)**

**by
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ABSTRACT

An experimental Aerodynamic and Aero-Acoustic loads data base was obtained at transonic Mach numbers for the Space Shuttle Launch Vehicle configured with the ASRM Solid Rocket Boosters as an increment to the current flight configuration (RSRB). These data were obtained during transonic wind tunnel tests (IA 613A) conducted in the Arnold Engineering Development Center 16-Foot transonic propulsion wind tunnel from March 27, 1991 through April 12, 1991. This test is the first of a series of two tests covering the Mach range from 0.6 to 3.5.

Steady state surface static and fluctuating pressure distributions over the Orbiter, External Tank and Solid Rocket Boosters of the Shuttle Integrated Vehicle were measured. Total Orbiter forces, Wing forces and Elevon hinge moments were directly measured as well from force balances. Two configurations of Solid Rocket Boosters were tested, the Redesigned Solid Rocket Booster (RSRB) and the Advanced Solid Rocket Motor (ASRM). The effects of the position (i.e. top, bottom, top and bottom) of the Integrated Electronics Assembly (IEA) box, mounted on the SRB attach ring, were obtained on the ASRM configured model. These data were obtained with and without Solid Plume Simulators which, when used, matched as close as possible the flight derived pressures on the Orbiter and External Tank base.

Data were obtained at Mach numbers ranging from 0.6 to 1.55 at a Unit Reynolds Number of 2.5 million per foot through model angles of attack from -8 to +4 degrees at sideslip angles of 0, +4 and -4 degrees.

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SCHEDULE	COEFFICIENTS PLOTTED	SCHEDULE	COEFFICIENTS PLOTTED
A	C_{N_f} VS α	D	C_{N_f} VS Mach
	C_{m_f} VS α		C_{m_f} VS Mach
	C_{A_f} VS α		C_{A_f} VS Mach
B	C_{heI} VS α		C_{heI} VS Mach
	C_{heO} VS α		C_{heO} VS Mach
	C_{N_w} VS α		C_{N_w} VS Mach
	C_{B_w} VS α		C_{B_w} VS Mach
	C_{T_w} VS α		C_{T_w} VS Mach
C	C_Y VS θ		
	C_n (BODY) VS θ		
	C_l (BODY) VS θ		

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SCHEDULE COEFFICIENTS PLOTTED

A	C_p VS x/l_B
B	C_p VS z_0
C	C_p VS x/c_{BF}
D	C_p VS ϵ_{TA}
	C_p VS xv/cv
E	C_p VS xh/cw
F	C_p VS x/l_T
G	C_p VS ϕ
H	C_p VS x_T
I	C_p VS x/l_S

INTRODUCTION

In 1990, the Space Shuttle Vehicle program began the design effort for an Advanced Solid Rocket Motor (ASRM) which would provide the system with improved ascent performance, resulting in enhanced launch capabilities as well as the ability to carry heavier payloads to orbit.

The design concept increased the Booster diameter by four inches between the nose cone and the skirt as well as modifying the aft support ring, IEA box and booster stiffeners. High fidelity Aerodynamic and Aero-Acoustic loads data were required on the vehicle configured with this preliminary outer mold line design to determine the effects on the ascent orbiter wing loads and to update the IVBC-3 loads data base. This IVBC-3 data base was generated using previous wind tunnel test data from this model and upgraded to the Redesigned Solid Rocket Motor (RSRM) configuration using Flight derived data.

To obtain these data, the large 0.03 scale integrated vehicle pressure loads wind tunnel model 47-OTS was modified such that both the latest RSRM Booster configuration, representing that of the current configuration data base, and the new ASRM configurations could be tested with minimum change time in the wind tunnel.

This test IA613A, the first of a two test series was conducted in the Arnold Engineering Development Center 16 Foot Transonic Propulsion Wind Tunnel. The test was conducted at transonic Mach numbers during the time period of March 27, 1991 to April 12, 1991. The model tested was a 0.03 scale replica of the Space Shuttle Launch Vehicle, designated 47-OTS, as shown in Figure 2a.

This test measured 1392 surface static pressures and 68 Aero-acoustic surface pressures to provide distributions over the orbiter, external tank and solid rocket

boosters on both the ASRM and RSRB configured SSV launch vehicle. The force and moment data directly measured were; six component orbiter force and moment, three component orbiter right hand wing force and moment, and right hand wing elevon hinge moments. These data were obtained at Mach numbers from 0.6 to 1.55 at a unit Reynolds number of 2.5 million per foot at angles of attack ranging from -8 to +4 degrees and at sideslip angles of 0, +4 and -4 degrees. All primary objectives of the test were completed.

This report presents a description of this first (Transonic Mach Range Test) of a series of two tests. This report consists of remarks on the conduct of the test, description of the model and test facility, details on the test procedure, information on data reduction as well as presentation of recorded test data.

The data obtained from this test is contained on the final data tapes from AEDC. These tapes are available at Rockwell International Space Systems Division as well as NASA/JSC. The AEDC Data Tape at Rockwell is under the control of the Aerodynamics group, specifically L.P. LeBlanc, (310) 922-5369. Additional raw Kulite data, recorded on MUX recorders are in the possession of the Structural Dynamics group at Rockwell SSD. For information on these data, contact Phil Schuetz (310) 922-3552.

Data presented in this report have been included in the Chrysler DATAMAN Space Shuttle wind tunnel test database.

NOMENCLATURE

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
A_i		AREA OVER WHICH P_i ACTS, SQ.FT.
α	ALPHA	MODEL PITCH ANGLE, DEGREES
	ALPHAO	ORBITER ANGLE OF ATTACK, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
	BREF	SPAN OF VEHICLE, INCHES
β	BETA	MODEL ANGLE OF SIDESLIP, DEGREES
	BETAO	ORBITER ANGLE OF SIDESLIP, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
b_w		WING BENDING REFERENCE LENGTH
C_A	CA	ORBITER AXIAL FORCE COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{AB}	CAB	ORBITER BASE AXIAL FORCE COEFFICIENT
C_{Af}	CAF	ORBITER AXIAL FORCE COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{Bw}	CBW	ORBITER WING BENDING MOMENT COEFFICIENT
C_e		ELEVON REFERENCE CHORD LENGTH
C_{hei}	CHEI	RIGHT INBOARD ELEVON HINGE MOMENT COEFFICIENT
C_{heo}	CHEO	RIGHT OUTBOARD ELEVON HINGE MOMENT COEFFICIENT
C_l	CBL	ORBITER ROLLING MOMENT COEFFICIENT (BODY AXIS)
C_m	CLM	ORBITER PITCHING MOMENT, COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{m_B}	CLMB	ORBITER BASE PITCHING MOMENT COEFFICIENT
C_{m_f}	CLMF	ORBITER PITCHING MOMENT COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_N	CN	ORBITER NORMAL FORCE COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)

NOMENCLATURE - (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_{NB}	CNB	ORBITER BASE NORMAL FORCE COEFFICIENT, CNBO + CNBF
C_{NBO}	CNBO	NORMAL FORCE BASE PRESSURE COEFFICIENT, CORRECTION FOR THE ORBITER FUSELAGE BASE
C_{NBF}	CNBF	NORMAL FORCE BASE PRESSURE COEFFICIENT, CORRECTION FOR THE ORBITER BODY FLAP
C_{Nf}	CNF	ORBITER NORMAL FORCE COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
	CNW	ORBITER WING NORMAL FORCE COEFFICIENT
C_n	CYN	ORBITER YAWING MOMENT COEFFICIENT (BODY AXIS)
C_{pi}	CP 0101 -	32x48 STRING OF SURFACE STATIC PRESSURE COEFFICIENTS
	CP 3248	SORTED BY MODULE, PORT = $(P_i - P_o)/q$
C_{prmsi}	CP RMSI	PRESSURE COEFFICIENT MEASURED BY DYNAMIC PRESSURE TRANSDUCERS, $i = 1$ TO 68 = $(P_{rmsi} - P_o)/q$
C_{pao}	CPAO	AVERAGE ORBITER BASE PRESSURE COEFFICIENT = $\frac{1}{14} \sum_{i=311}^{i=324} C_{pi}$
C_{pas}	CPAS	AVERAGE SOLID ROCKET BOOSTER BASE PRESSURE COEFFICIENT = $\frac{1}{10} \sum_{i=2201}^{i=2210} C_{pi}$
C_{pat}	CPAT	AVERAGE EXTERNAL TANK BASE PRESSURE COEFFICIENT = $\frac{1}{75} \sum_{i=1501}^{i=1575} C_{pi}$
C_{Tw}	CTW	ORBITER WING TORSION MOMENT COEFFICIENT
C_w		MEAN AERODYNAMIC CHORD
C_y	CY	ORBITER SIDE FORCE COEFFICIENT (BODY AXIS)
D_{b_rmsi}	DB RMSI	DECIBEL LEVEL CORRESPONDING TO PRESSURE MEASURED BY DYNAMIC PRESSURE TRANSDUCERS, $i = 1$ TO 68
η	ETA	SPANWISE LOCATION ON SURFACE, FRACTION OF SPAN
δe_i	IB-ELV	DEFLECTION ANGLE OF INBOARD ELEVONS, DEGREES

NOMENCLATURE - (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
$\delta\theta_o$	OB-ELV	DEFLECTION ANGLE OF OUTBOARD ELEVONS, DEGREES
$\delta\theta_{LI}$	LI-ELV	DEFLECTION ANGLE OF LEFT INBOARD ELEVON, DEGREES
$\delta\theta_{LO}$	LO-ELV	DEFLECTION ANGLE OF LEFT OUTBOARD ELEVON, DEGREES
$\delta\theta_{RI}$	RI-ELV	DEFLECTION ANGLE OF RIGHT INBOARD ELEVON, DEGREES
$\delta\theta_{RO}$	RO-ELV	DEFLECTION ANGLE OF RIGHT OUTBOARD ELEVON, DEGREES
LO_2	LO2	LIQUID OXYGEN
	LREF	REFERENCE LENGTH OF VEHICLE, INCHES
M	MACH	FREESTREAM MACH NUMBER
P_o	P	FREESTREAM STATIC PRESSURE, PSFA
ϕ	PHI	EXTERNAL TANK ROLL ANGLE, DEG.
	PHIO	ORBITER ROLL ANGLE, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
P_t	PT	FREESTREAM TOTAL PRESSURE, PSFA
q	Q(PSF)	FREESTREAM DYNAMIC PRESSURE, PSFA
	RN/L	FREESTREAM UNIT REYNOLDS NUMBER/MILLION
	SREF	REFERENCE AREA, IN. ²
	XMRP	LOCATION OF MODEL REFERENCE POINT ALONG X-AXIS, INCHES
X_o	XO	LONGITUDINAL STATION ON ORBITER
X_s	XS	LONGITUDINAL STATION ON SRB
X_T	XT	LONGITUDINAL STATION ON THE EXTERNAL TANK
X/l_B	X/LB	LONGITUDINAL LOCATION ON ORBITER BODY SURFACE, FRACTION OF BODY LENGTH
X/l_s	X/LS	LONGITUDINAL LOCATION ON SOLID ROCKET BOOSTER SURFACE, FRACTION OF BODY LENGTH
X/l_T	X/LT	LONGITUDINAL LOCATION ON EXTERNAL TANK BODY SURFACE, FRACTION OF BODY LENGTH
X_V/C_V	XV/CV	CHORDWISE LOCATION ON VERTICAL TAIL, FRACTION OF LOCAL CHORD

NOMENCLATURE - (Concluded)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
X_W/C_W	XW/CW	CHORDWISE LOCATION ON WING SURFACE, FRACTION OF LOCAL CHORD
X/C_{BF}	X/CBF	CHORDWISE LOCATION ON BODY FLAP, FRACTION OF LOCAL CHORD
	YMRP	LOCATION OF MODEL REFERENCE POINT ALONG Y-AXIS, INCHES
Y_0	YO	ORBITER LATERAL STATION
	ZMRP	LOCATION OF MODEL REFERENCE POINT ALONG Z-AXIS, INCHES
Z_0	ZO	ORBITER WATER LINE

REMARKS

After completion of the model rework at Krug International, Dayton, Ohio, the model was shipped directly to AEDC. A number of model and orbiter balance fouling problems were discovered and corrected during orbiter balance check loads.

Fouling of the Orbiter balance inside the Orbiter cavity was corrected by fabricating a new balance pin. This balance pin used the top forward balance pin hole and placed the longitudinal center of the balance at Orbiter model station (MS) 32.7202. This places the Orbiter aft relative to the External Tank 0.009 inches from the original centerline position of (MS) 32.63. In addition, the new pin also positioned the Orbiter at a negative roll (right wing up) relative to the ET/SRB assembly of between 0.15 and 0.20 degrees.

During the model calibration loadings which required inverting the model, the Orbiter SSME solid plume grounded on the Orbiter SSME's. This plume assembly was moved aft on the sting 0.40 inches resulting in a 0.525 gap at the static model upright position.

Due to an additional requirement to duplicate the scaled blockage (cross-sectional area) of the aft External Tank to Orbiter attach region, a fairing was added to the lower part of the crossbeam to simulate the GH2 line cover fairing. This on-site modification measured 0.170 inches high from the lower moldline to the top of the External Tank. The scaled vehicle dimension is 0.1626 inches.

During the beginning of the test for run numbers less than 580, the Orbiter umbilical doors were left off. These were mounted prior to run number 580, however, there was no clearance between these doors and the Orbiter non metric support umbilicals resulting in a ground from model to balance system. This problem was rectified prior to run #600. Therefore, with the exception of the Orbiter balance forces, the remaining data from run #580 to #600 are valid. Run #602 is the first run with the Orbiter configured with umbilical doors to provide valid Orbiter force data.

Aero-Acoustic (Kulite) data was obtained throughout the test up to and including run #1565. No Kulite data was planned for the configurations tested in the run numbers from #1586 through the end of the test, run #1745.

Anomalies in the model setup that were not corrected prior to or during the test are; 1) The pressure taps on the ET LOX feedline were numbered 120 degrees rotation from the published orientation in reference 1. Figure 3~~2~~ provides the as hooked up pressure locations. On line printout data obtained during the test lists the pressure coefficients for the pretest report location. However, the final data tape referred to in this report lists the pressure data by ESP number - Port number so the figure presented herein should be used. 2) The External Tank spike nose part was mounted on the model inverted (i.e. at 180 degrees rotation from that shown in reference 1). The tap location as tested is as follows;

P# 1002 & # 1010	is @ Φ = 180 deg.	was @ Φ = 0 deg.
P# 1003 & # 1011	is @ Φ = 240 deg.	was @ Φ = 60 deg.
P# 1004 & # 1012	is @ Φ = 270 deg.	was @ Φ = 90 deg.
P# 1005 & # 1013	is @ Φ = 315 deg.	was @ Φ = 135 deg.
P# 1006 & # 1014	is @ Φ = 0 deg.	was @ Φ = 180 deg.
P# 1007 & # 1015	is @ Φ = 45 deg.	was @ Φ = 225 deg.
P# 1008 & # 1016	is @ Φ = 90 deg.	was @ Φ = 270 deg.
P# 1009 & # 1017	is @ Φ = 120 deg.	was @ Φ = 300 deg.

Various anomalies occurred during the test yielding pressure data (steady state and dynamic) either no good or questionable. Plugged, leaking and non existent pressure taps were determined prior to as well as during the test. Most data are bad coded in the data output. However some slow leaking pressures were left in the data. These marginal pressures are marked (?) and caution should be used in their use. Table III lists the pressure tap numbers versus ESP No. and port location. This table presents notes which indicate these pressure data problems for specific runs and runs greater than a given run.

It should be noted here that for runs #498 through #517, a problem existed with the data collection of the ESP's measuring the SRB pressures. The data from the odd numbered ports of these ESP's are questionable.

Pressure #416 checked as open during the pretest checks. Because this upper body flap pressure was involved in calculating the orbiter base force correction, pressure tap #424 was substituted in its place. In doing this, the pressure from tap 424 is output in both the location for P416 and P424.

Three Kulite transducers were bad throughout the test. These are;

Kulite # 8

Kulite #31

Kulite #66

Some errors exist in the data tape, primarily in the Elevon deflection setting and corrections to these settings for load deflections. The following lists these errors;

- 1) Left Hand Elevon Run #'s 503 to 516 - The elevons were set at 10° outb'd and +5° inb'd but indicated in the data as 10° outb'd and -5° inb'd. Run #'s 1559 to 1565 - The elevons were set at 10° outb'd and -5° inb'd but indicated in the data as 8° outb'd and 9° inb'd.
- 2) Right Hand Elevon Run #'s 410 to 516 - The elevons were set at 10° outb'd and +5° inb'd but indicated in the data as 9° outb'd and 5° inb'd. Run #'s 1584 to 1611 - The elevons were set at 8° outb'd and 9° inb'd but input in the data as -8° outb'd and -9° inb'd.

These errors in deflection setting inputs were corrected in the corrected elevon deflection data, therefore no deflection under load was accounted for in these cases.

CONFIGURATIONS INVESTIGATED

The model provided for the AEDC test period was a 0.030 scale replica of the Rockwell International Space Shuttle Vehicle in the launch configuration. The launch configuration consists of the assembly of a payload carrying Orbiter, an expendable external oxygen/hydrogen tank (ET) which provides fuel for the Orbiter main engines (SSME) and two recoverable Solid Rocket Boosters (SRB's). The launch configuration is shown in Figure 2a. The entire model is the launch vehicle configuration, comprised of the 102 Orbiter, the Light Weight External Tank and the RSRB or ASRB Boosters.

ORBITER

The Orbiter is a blended wing/body design with a double delta planform (81°/45° leading edge), twelve percent thick airfoil wing with full span elevons incorporating a six-inch interpanel gap between the independently deflectable inboard and outboard panels. A single swept (45°) centerline vertical tail with rudder and/or speed brake capability. The aft fuselage incorporates two Orbital maneuvering system (OMS) pods. These two OMS pods are fabricated with the OMS nozzles and RCS thrusters simulated. A single body flap (to aid in trim control while the speed brake is flared during re-entry) is fitted on the lower trailing edge of the fuselage.

The Orbiter fuselage is in accord with Rockwell International control drawing VL70-000140A, with the vertical tail as defined by drawing VL70-000146A. The OMS pods are the VL70-000140C configuration, this being a combination of the VL70-08401 and VL70-08410 drawings. Fitted to this is the Orbiter vehicle 102 wing as defined in the MD-V70 data book(s). For the purposes of this test and report, the resulting outer mold line (OML) is referred to as the "OV102 Orbiter". The complete Orbiter weighs approximately 140 pounds.

The wing is two piece with LH and RH panels mounted to a central steel wing beam. This beam of cross shaped planform supports one wing on a tang on each side of the central plate. The right hand tang is instrumented with strain gauges to form the three component wing load indicator balance. The exposed wings are made integral with the glove and a labyrinth seal is provided on the metric side to improve the data quality. The left hand wing is instrumented with pressure taps.

Each of the wings is fitted with deflectable inboard and outboard elevons which are supported in torsion only by a beam mounted on the hinge line. Identical R.H. and L.H. elevon supports insure similar aeroelastic deflections under load. The right hand elevon panels are supported on beams which are strain gauged. The following table shows the elevon deflections used during this test. The nominal deflection angles are listed as the requested angles, the unloaded measured deflection angles listed as the average of the measurements \pm the tolerance band. These angles are the unloaded deflection angles.

<u>ELEVON DEFLECTIONS</u>		
NOMINAL	MEASURED	
INBOARD	R.H. INBOARD	L.H. INBOARD
10°	9.750 \pm 0.100	10.145 \pm 0.155
8°	8.200	8.220
OUTBOARD	R.H. OUTBOARD	L.H. OUTBOARD
9°	7.675 \pm 0.195	8.750 \pm 0.060
5°	3.750 \pm 0.780	4.815 \pm 0.165
-5°	-6.195 \pm 0.125	-4.390 \pm 0.110

Interchangeable simulated flipper doors are fitted to the upper wing surface for the various elevon deflections.

The body flap, with hinge moment capability and forty pressure taps is provided. The body flap deflectable to four deflections, -11.7°, 0°, +16.3° or +22.5°. The body flap was set at 0° deflection for this test.

The vertical tail provided for this test includes a single panel hinged rudder/speed brake on each side. These panels are individually pinned to the hinge shaft, the shaft is then pinned to the vertical to provide any combination of rudder/speed brake deflections. The 0° rudder/speed brake (No deflection) was used for this test.

The SSME nozzles are simulated in the base of the Orbiter. The nozzles are set at the nominal angles of 16° up, no yaw upper, and 10° up, +3-1/2° yaw outboard for the lower two.

The entire Orbiter is mounted on the AEDC MK XXXIC Task balance. The balance taper fits into a block in the cavity at the rear of the fuselage. This block is attached to a beam running under the balance block and to a stiffener rod that runs forward above the right upper corner of the balance block to a "flying wedge" piece attached to the front of the longitudinal beam. This forms a support system within the Orbiter with the taper for the balance in the rear block. The ET attach hardware (simulated LO₂ and LH₂ feedlines) were upgraded to the latest dimensions which allowed for the increase in instrumentation leads in the Orbiter. These feedlines mount to the lower aft part of the beam through holes in the bottom of the Orbiter. The forward end of the balance support is mounted to the forward ET/ORB bipod in the lower fuselage cavity.

EXTERNAL TANK (ET)

The ET has been modified to the "lightweight" configuration for this test. It has a cylindrical cross section with a nominal diameter of 333.0" full scale and a maximum diameter of 336.2" full scale. The forward portion of the ET has a tangent ogive nose which terminates in a triconic nose cap over the LO₂ vent valve. The triconic nose functions as the Ascent Air Data System (AADS). The aft end of the tank is basically an ellipsoid of revolution. Between the LO₂ and LH₂ vessels one third of the ET length behind the nose is a structure of stiffeners which is slightly larger than the nominal tank diameter. Covering the entire tank is a Spray-On Foam Insulation (SOFI) of varying thickness, as dictated by the relative heat load, i.e., approximately 2.5 inches thick on the tangent ogive, 1.0 inches thick on the cylindrical portion of the tank and 2.0 inches thick on the rear ellipsoid. The diameters given above include this SOFI. A plate is provided in the forward section to support 13 ESP units and the Schaevitz angle of attack transmitter. The approximate weight of the External Tank with instrumentation is 190 pounds.

Protruding above the insulation are a number of external protuberances which fall into three major categories; electrical trays, fluid lines and attach hardware. The fluid lines modeled are the LO₂ and LH₂ feed and vent plumbing. The attach hardware, considered as part of the tank, is the front and rear ET/Orbiter attach structure, which is discarded with the ET at the end of the main engine burn (ET separation). The external tank for this test is built to the geometry described in the Rockwell International Interface Control Drawing ICD 2-00001C.

The Orbiter/ET attach hardware is scaled to as great a degree possible and is load-bearing. The Orbiter/ET front attach is fabricated from a single piece with two integral end plates. The aft attach structure is the scaled OML between the ET and Orbiter. A fairing on the ET side of

the main cross member was added for this test series. It represents the hydrogen tank pressurization line and maintains the scaled height (gap) above the ET. This gap between the ET top and the lower extremity of pressure line and fairing measured 0.0074 inches, model scale, larger than the vehicle.

The pressure and feed lines, previously used during test IA190, are modified to simulate the "light weight" tank. A removable mirror image pressure and feedline assembly was tested. This mirror image configuration provided pressure data on the RH wing including the interference caused by this large line system.

SOLID ROCKET BOOSTERS (SRB's)

Two configurations of the Solid Rocket Boosters were tested. The current configuration (the Redesigned Solid Rocket Boosters (RSRB's)), are 146-inch nominal diameter cylinders, each with an 18° semi-angle nose and a 13.27° spherical tip. An 18" flared skirt, 208.20" diameter, protects the gimbaled rocket nozzle. The vehicle flexible donut shaped seal and thermal shield is provided between skirt and nozzle. Major protrusions from the basic envelope include a forward attach lug, separation thrusters front and rear, aft attach ring, various stiffeners, field joints and a full length electrical systems tunnel. This RSRB outer mold line configuration geometry is described in the Rockwell International Interface Control Drawing ICD 2-00001 Rev. H.

The second configuration, the Advanced Solid Rocket Motor (ASRM), is built to the IRN 190 Drawings, January 3, 1991. The booster diameter was enlarged to 150.25 inches between stations 523.83 and 1837.24 and appropriate changes were made to the stiffener rings, field joints (systems tunnel) aft attach ring with the Integrated Electronics Assembly (IEA) box. The ASRM configuration is shown in Figure 2b. The cylindrical inner aft attach struts as well as a section of the attach ring inside between these struts were not updated.

The two (LH & RH) baseline SRB's built around a 2.00" ID x 3.38" OD sleeve cores. Modified outer shells provide the RSRB and ASRM configurations for this test. The SRB to ET attachments bear the expected loads and carry the electrical leads through from the tank. The weight of the right hand SRB is approximately forty pounds and the weight of the thinner, left hand SRB with the pressure instruments installed, is approximately twenty-one pounds. The SRB itself consists of four main parts, nose cone, forebody, aft attach ring and aft SRB body with the skirt and nozzle assembly.

Nozzle actuator struts are simulated on each of the SRB aft skirts. The SRB aft separation thrusters are attached to the skirt. The forward attach structure is simulated utilizing a 7/16 inch diameter bolt which secures the SRB to the ET. Just aft of this bolt, the body of both the SRB and the ET have been relieved to provide a passage for instrumentation leads. The RSRM aft attach ring (ETA) configuration has been updated for this test and is interchangeable with the ASRM ETA. This ring is carved of a single piece of stock with integral different size mounting studs that simulate the aft attach struts. The struts and ETA wing configuration between these struts (inside) was not upgraded.

Removable IEA boxes were provided for both the ASRM and RSRB configurations so that they could be mounted either on top or bottom or both on top and bottom. The current launch configuration uses the top-mounted IEA box, but the bottom-mounted IEA box was proposed and used to alleviate aerodynamic disturbances between the boosters and the orbiter. During this test, the RSRB's were configured only with the top mounted RSRB IEA box configuration. The ASRM configuration was tested with the IEA box position on Top, Bottom, and Top and Bottom.

SOLID PLUME SIMULATORS

Plume simulators were provided for both the Orbiter and the SRB's in order to approximate as close as possible, the flight base pressures. The Orbiter plume simulator is a single contoured mahogany wood block, supported from the model stings and metrically isolated from the Orbiter base. The SRB plume simulators are conical wood with a disk of larger diameter at the aft cone surface. Two different sizes were provided. One, the small simulator, is a 28° half angle cone terminating at 8.12 inch diameter with a 1/2 inch thick, 9.37 inch diameter disc. The second is a 33 degree half angle cone terminating at 9.37 inch diameter with an 1/2 inch thick 11.25 inch diameter disc. These were mounted on the forked sting and adapter assemblies in proximity of the SRB nozzles. Longitudinal positioning of these SRB simulators was provided at 7.5, 13.5 and 18.75 inches, distance downstream of the SRB exit plane to the forward face of the disc (aft end of the cone). These plume simulators were designed using the configuration of those tested on an 0.10 scale SSV model (test IA-300), Reference 4, which is based on a solid plume simulator study by NASA/MSFC reported in Reference 5. The plume simulators are shown in Figures 2c.

INSTRUMENTATION

The model was instrumented so that steady state and fluctuating pressure as well as force data could be obtained simultaneously. In general the RH side of the model contained the force gauges of the model (i.e., RH wing and RH elevons). The LH side of the model was heavily instrumented with surface static pressures. The kulites pressure transducer were mounted to the RH side of the Orbiter External Tank and SRB.

A total of 1392 steady state surface static pressures were measured by thirty-two 48-port ESP's. The first and thirty-second port were used to measure a known pressure furnished from outside the model leaving forty six ports for model pressures. The location of the 1392 pressures are shown in Figures 3 and are categorized as follows:

<u>Major Model Component</u>	<u>Model Component</u>	<u>No. of Orifices</u>
Orbiter Total 628 pressures	Fuselage	196
	Body flap	40
	Base	24
	Vertical Stabilizer	75
	Wing	293
External Tank Total 557 pressures	Body	423
	Base	74
	LO ₂ Protuberances	60
Solid Rocket Boosters 207 pressures	SRB Basic Body	177
	Base	10
	Protuberances	20

The model was instrumented to measure 68 Aero Acoustic pressures. Sixty eight (68) Kulite high frequency response ± 15 psid pressure transducers are installed in the model to measure these vibra-acoustic pressure levels. Figure 4 shows the location of these kulites on the Integrated Vehicle and are categorized as follows;

<u>Major Model Component</u>	<u>Model Component</u>	<u>No. of Orifices</u>
Orbiter Total 15 Kulites	Fuselage	5
	Wing	10
External Tank Total 26 Kulites	Body	24
	Base	2
Solid Rocket Total 27 Kulites	Basic Body	27

Model forces and moments were measured by strain gauge balances as follows:

<u>Balance Location</u>	<u>Type</u>	<u>Model Forces & Moments Measured or Calculated</u>
Orbiter	6- component *AEDC/Task 2.5" MK XXX1 C	Orbiter normal force, side force, axial force, pitching moment, rolling moment and yawing moment
RH Wing	3-component	Wing normal force, bending moment and torsional moment
RH Inboard Elevon	1-component Strain gauge beam	Inboard elevon hinge moment
RH Outboard Elevon	1-component Strain gauge beam	Outboard elevon hinge moment
Dual Stings	4-component (each) Strain gauge	2" AEDC sting (used to calculate sting deflections determination only) rated loads unknown

*The backup balance was the AEDC/Task 2.5" MK XXII B

An AEDC supplied Schaevitz angular position indicator was mounted in the external tank. The output from this instrument was used to check angle of attack at zero roll angle only (i.e. $\phi = 0^\circ$).

The output of the kulite dynamic pressure transducers were sent to the AEDC RMS (root-mean-square) meters and four (4) MUX magnetic tape recorders. IRIG time was provided to all Data Systems so that the Steady State and Dynamic Data could be correlated. Voice identification of each data point, run and point number, was also recorded on the MUX tape.

TEST FACILITY DESCRIPTION

The AEDC PWT 16-Ft. Transonic Tunnel (Propulsion Wind Tunnel, Transonic 16T) is a continuous-flow closed-circuit tunnel capable of operation within a Mach number range of 0.06 to 1.60. The tunnel can be operated within a stagnation pressure range of 120 to 4000 psfa depending upon the Mach number. The stagnation temperature can be varied from an average minimum of about 80° to a maximum of 160° F as a function of cooling water temperature. Using a special cooling system of mineral spirits, liquid nitrogen, and liquid air, the stagnation temperature range can be varied from +30° to -30° F. Supersonic velocities are obtained by use of flexible-wall, Laval type nozzles.

The test section used during the test was the High Angle Automated Sting (HAAS) cart with a test section that is 16 ft square by 40 ft long and enclosed by 60 deg inclined-hole perforated walls of six-percent porosity. The HAAS test section has a side wall angle variance capability from -2.0° (convergence) to 0.8 deg (divergence). To compensate for the HAAS strut blockage, the HAAS cart side walls have a bulge section, which has a depth of 6.0 in. The entire test section and supporting structure is constructed as a separate unit, called the test section cart, and is removable from the tunnel circuit. The test section carts may be moved to the model installation building where the test article and associated equipment are installed. The test section is completely enclosed in a plenum chamber which can be evacuated, allowing part of the tunnel main flow to be removed through the test section perforated walls, thereby unchoking the test section at near sonic speeds and alleviating wall interference effects.

The 16T HAAS sting support system was used to support and position the 0.03-scale model in the test section during the test entry. The model was supported by a dual sting arrangement consisting of two, 2.0-in. dia. stings exiting from the bases of the left and right hand solid rocket boosters (SRB). These stings were then attached by adapters to 4.16-in. dia. parallel stings which were mounted in the modified lockheed support system. This support arrangement allowed the base of the orbiter to be essentially free from any support system interference.

The sting support system utilizes computer control to position the model at angles of attack and sideslip by means of combinations of pitch and roll angles. This model support system is advantageous in that the model can be maintained at, or close to, the tunnel centerline where flow angularity is a minimum. A sketch showing the location of the 0.03-scale model in the test section is presented in Figure 6 and a photograph showing this installation is presented in Figure 7a.

TEST PROCEDURE

The model was mounted upright in the tunnel on a steel forked sting assembly (figure 6). This sting, supplied by AEDC, was constructed by Lockheed and modified by Rockwell to a nominal length of 130.96 inches. The model was mounted to the sting assembly through the base of the SRB's by two steel eccentric adapters. This forked sting assembly is set at a nominal spacing of 16 inches. This installation places the center of rotation at the base of the SRB nozzles. The model therefore transfers away from the tunnel centerline when pitched to any angle other than $\alpha = 0^\circ$, $\beta = 0$.

The general test procedure was as follows: After starting the tunnel, the desired test conditions for a particular Mach number were established as given in Table I, the test conditions were held constant while model angle of attack and sideslip were varied in a pitch pause manner. To record dynamic pressure (Kulite) data, the model attitude was held constant for a specified period of time. At the start of the test 10 to 20 seconds in addition to the force and static pressure data time was used. After run #719 this additional pause time to record the dynamic Kulite data was reduced to 6 seconds

Two Mach sweeps runs were conducted where Mach number was varied continuously from 0.6 to 1.55 while the model attitude was held constant at -4° deg angle of attack and zero sideslip angle. During the Mach sweeps the dynamic data was recorded continuously.

Flow angularity (Aerodynamic tares) were determined early in the test program. Special runs were conducted through the pitch range at 0° sideslip angle with both the model in the upright ($\phi = 0^\circ$) and inverted ($\phi = 180^\circ$) position. These were accomplished at all Mach numbers except $M = 1.55$. The tare angle was determined as the angle required to collapse the CN versus alpha curves for these runs.

Test runs were specifically conducted to determine the solid plume configuration which will yield average orbiter and external tank base pressures as close to flight values as possible. The results of these runs selected the 28° cone SRB plume set at an axial distance of 13.25 inches behind the SRB nozzle exit was the nominal configuration for tests from $M = 0.6$ through 1.25. The larger 33° cone plume at the same axial position was nominal for tests from $M = 1.25$ to 1.55. Figure 5 presents data which show the degree of base pressure match achieved.

The model attitude (Alpha & Beta) were set in the tunnel with the pitch and roll mechanism of the HAAS cart pitch and sting roll assembly. The model was pointed to the corrected Alpha-Beta angle requested on the run schedule, within setting accuracies. This model pointing angle was achieved through computer control of the pitch and roll mechanism. Real time sting deflections and flows angularity tares, were calculated and applied to the pitch and roll mechanism outputs in an iterative closed feedback loop to automatically adjust and point the model to the corrected attitude.

The pressure transducers were calibrated prior to the test and were again calibrated after the model was installed in the tunnel using the "reference" and "calibrate" ports on the ESP's in accordance with normal AEDC/PWT procedures.

After installation all pressures were either leak checked using a hand held vacuum pump or continuity checked with compressed air when the orifice was located in a position where it could not be leak checked. This checking continued throughout the test whenever there was any evidence of a problem and after model changes to check all pressures which had been disconnected during the change.

The 2.5" MK XXX1C Orbiter balance, the wing balance, and the elevon hinge moment beams were calibrated in the AEDC calibration laboratory prior to the test. The elevon hinge moment gauge calibration were checked after each change in elevon angle. All balances were check-loaded after the model was installed in the tunnel. After installation in the model, the Schaevitz angle position indicator was calibrated over the angle-of-attack range required for the test.

The strain gauge instrumented dual sting was calibrated, installed in the cart prior to installation into the tunnel. The model-sting assembly was loaded installed in the tunnel to provide checks to that calibration.

The test run number summary defining model configuration, model attitudes, and elevon deflections is presented in Table II.

DATA REDUCTION

Standard AEDC methods for computing tunnel parameters, balance forces and moments, and model attitudes were used. Force and moment coefficients (body axis system only) were computed for each balance using the axis system defined in Figure 1a. Orbiter force and moment data were adjusted to account for the difference between measured base pressure and freestream pressure. Elevon hinge moments, and wing forces and moments were calculated in coefficient form about reference locations specified for each component.

The model angle of attack and sideslip angle were corrected for sting deflections caused by model weight and aerodynamic loading. The attitude of the integrated vehicle was calculated from the sector reading, the output of the strain gauges on the forked sting, accounting for sting deflection, and the determined flow angularity tare. The attitude of the orbiter was corrected for the orbiter balance deflections. The deflection of the right hand elevons due to the applied hinge moment were also calculated and accounted for. The deflection of the wing under load was found to be insignificant and therefore was not accounted for in the data reduction.

Standard six component body axis force coefficients were computed for the balance mounted orbiter. The reference area used was the orbiter wing area, and the reference length for moment coefficients was the orbiter reference length. Forces and moments were resolved about the integrated vehicle reference center which is at the orbiter nose on the tank centerline. These Orbiter forces and moments were corrected for model weight tares. The orbiter normal force, axial force, and pitching moment were corrected for base pressure effects as determined from pressures measured on the orbiter base and body flap to yield "Orbiter forebody forces". These base pressure corrections were calculated as follows:

$$C_{NB} = - \frac{1}{S_w} \left[\tan 14.75^\circ \sum_{i=301}^{324} C_{Pi} A_i + \sum_{i=401}^{440} C_{pi} A_i \right]$$

$$C_{AB} = - \frac{1}{S_w} \sum_{301}^{324} C_{pi} A_i$$

$$C_{mB} = - \frac{1}{S_w l_b} \left[-X_1 \tan 14.75^\circ \sum_{i=301}^{324} C_{Pi} A_i - X_2 \sum_{i=401}^{440} C_{pi} A_i + Z_1 \sum_{i=301}^{324} C_{pi} A_i \right]$$

where X_1 , X_2 and Z_1 are the distances to the centroid of the area from the moment reference center given in the reference dimension table.

The resulting coefficients are applied as follows to obtain the Orbiter forebody coefficients:

$$\begin{aligned}C_{A_f} &= C_{A_u} - C_{A_B} \\C_{N_f} &= C_{N_u} - C_{N_B} \\C_{m_f} &= C_{m_u} - C_{m_B}\end{aligned}$$

Model component loads were reduced to force and moment coefficients as follows:

Wing Force Coefficients:

$$\begin{aligned}\text{Shear (Normal Force)} \quad C_{N_w} &= N_w / [(q) (S_w)] \quad \text{where: } N_w = \frac{m_1 - m_2}{a_m} \\ \text{Bending Moment} \quad C_{B_w} &= B_w / [(q) (S_w) (b_w)] \quad \text{where: } B_w = m_2 + \frac{(m_1 - m_2)d_m}{a_m} \\ \text{Torsion Moment} \quad C_{T_w} &= T_w / [(q) (S_w) (C_w)] \quad \text{where: } T_w = m_3 + \frac{(m_1 - m_2)e_m}{a_m}\end{aligned}$$

where: m_1 - wing inboard bending moment ~ in-lbs
 m_2 - wing outboard bending moment ~ in-lbs
 m_3 - wing torsion ~ in-lbs
 a_m, d_m & e_m - moment transfer distances ~ in. (see figure 1d)

Elevon Hinge Moment Coefficients:

$$\begin{aligned}C_{he_i} &= H_{e_i} / [(q) (S_e) (C_e)] \\ C_{he_o} &= H_{e_o} / [(q) (S_e) (C_e)]\end{aligned}$$

The right hand Elevon deflection angles were corrected for load deflections as follows:

$$\begin{aligned}\delta_{ei} &= \delta_{ei_{set}} + H_{ei} K_{ei} \\ \delta_{eo} &= \delta_{eo_{set}} + H_{eo} K_{eo}\end{aligned}$$

where: K_{ei} and K_{eo} are calibrated deflection constants
 $\delta_{ei_{set}}$ & $\delta_{eo_{set}}$ are Elevon deflection settings

Aero acoustic (dynamic) pressure data from the Kulites were recorded on RMS meters to directly yield P_{rms} in. (lb./ft. ²). These RMS pressures were reduced to; pressure coefficients C_{prms_i} then to the Aero Acoustic power terms (Decibels);

$$\text{Decibels:} \quad db(rms)_i = 20 \log_{10} \left[\frac{P_{rms_i} \times 10^9}{2.9} \right]$$

FORCE AND MOMENT REFERENCE CENTERS

Total Orbiter Force & Moment Resolved About the Integrated Vehicle MRC	Full Scale	Model Scale
	X_T 976	29.28
	Y_T 0	0
	Z_T 400	12.0
	X_O 235	7.05
	Y_O 0	0
	Z_O 63.5	1.905
R.H. Wing Force & Moment	X_O 1307	X_O 39.21
	Y_O 105	Y_O 3.15
	Z_O 288	Z_O 8.64
R.H. Elevon Hinge Moment About Hingeline	X_O 1387	X_O 41.61

MODEL REFERENCE DIMENSIONS

SYMBOL	MODEL SCALE AREA	FULL SCALE	DESCRIPTION
S_w	2.421 ft. ²	2690 ft. ²	Wing reference area
l_b	38.70 in.	1290.3 in.	Orbiter reference length
b_w	28.101 in.	936.7 in.	Wing bending reference length
C_w	14.244 in.	474.8 in.	Mean aerodynamic chord
S_e	0.189 ft. ²	210 ft. ²	Elevon reference area
C_e	2.721 in.	90.7 in	Elevon reference chord length
X_1	37.890 in.	1263.0 in.	Base pressure transfer distance
X_2	39.890 in.	1329.67	Base pressure transfer distance
X_2	-25.6702 in.	855.673 in.	Longitudinal transfer distance from orbiter balance referenced point to the integrated vehicle MRC
Z_1	-9.795 in	-326.5 in	Vertical transfer distance from orbiter balance center-line to integrated vehicle MRC

ORBITER BASE AREA FOR PRESSURE TAP

SYMBOL	MODEL SCALE AREA (FT. ²)	SYMBOL	MODEL SCALE AREA (FT. ²)
A ₃₀₁	0.012813	A ₃₁₃	0.022146
A ₃₀₂	0.022146	A ₃₁₄	0.025837
A ₃₀₃	0.089535	A ₃₁₅	0.014764
A ₃₀₄	0.011073	A ₃₁₆	0.025837
A ₃₀₅	0.014764	A ₃₁₇	0.025837
A ₃₀₆	0.014764	A ₃₁₈	0.025837
A ₃₀₇	0.014764	A ₃₁₉	0.013831
A ₃₀₈	0.025837	A ₃₂₀	0.013273
A ₃₀₉	0.025837	A ₃₂₁	0.030447
A ₃₁₀	0.040600	A ₃₂₂	0.018268
A ₃₁₁	0.040600	A ₃₂₃	0.012189
A ₃₁₂	0.018455	A ₃₂₄	0.018283

BODY FLAP BASE AREA FOR PRESSURE TAP

SYMBOL	MODEL SCALE AREA (FT. ²)	SYMBOL	MODEL SCALE AREA (FT. ²)
A ₄₀₁	- 0 -	A ₄₂₁	- 0 -
A ₄₀₂	- 0 -	A ₄₂₂	- 0 -
A ₄₀₃	- 0 -	A ₄₂₃	- 0 -
A ₄₀₄	- 0 -	A ₄₂₄	- 0 -
A ₄₀₅	0.01151	A ₄₂₅	- 0 -
A ₄₀₆	0.010267	A ₄₂₆	- 0 -
A ₄₀₇	0.0089838	A ₄₂₇	- 0 -
A ₄₀₈	0.0077004	A ₄₂₈	- 0 -
A ₄₀₉	- 0 -	A ₄₂₉	- 0 -
A ₄₁₀	- 0 -	A ₄₃₀	- 0 -
A ₄₁₁	- 0 -	A ₄₃₁	- 0 -
A ₄₁₂	- 0 -	A ₄₃₂	- 0 -
A ₄₁₃	0.012834	A ₄₃₃	- 0 -
A ₄₁₄	0.012834	A ₄₃₄	- 0 -
A ₄₁₆	0.012834	A ₄₃₅	- 0 -
A ₄₁₇	- 0 -	A ₄₃₆	- 0 -
A ₄₁₈	- 0 -	A ₄₃₇	.011551
A ₄₁₉	- 0 -	A ₄₃₈	.010267
A ₄₂₀	- 0 -	A ₄₃₉	.0089838
		A ₄₄₀	.0077004

The flow angularity (AFA) in the tunnel pitch-plane was determined by testing the model upright and inverted and the angle required to collapse the CN vs ALPHA curves determined. These values are shown below:

PITCH-PLANE LOW ANGLE CORRECTIONS

M	AFA	RUN #
0.60	0.008	322/323
0.80	0.069	329/330
0.90	0.085	335/336
0.95	0.010	347/348
1.05	0.081	353/354
1.10	0.067	362/363
1.15	0.118	368/369
1.25	0.097	374/375
1.30	0.093	473/474
1.35	0.117	480/481
1.40	0.068	487/488
1.50	0.010*	N/A

* Estimated

UNCERTAINTY OF MEASUREMENTS

Uncertainties (combinations of systematic and random errors) of the basic tunnel parameters were estimated from repeat calibrations of the instrumentation and from repeatability and uniformity of the test section flow during tunnel calibration, reference 2. Uncertainties in the instrumentation systems were estimated from repeat calibration of the systems against secondary standards whose uncertainties are traceable to the National Institute of Standards and Technology calibration equipment. The tunnel parameter and instrument uncertainties, for a 95-percent confidence level, were combined using the Taylor series method of error propagation described in reference 3 to determine the uncertainties of the parameters. These uncertainties are presented in the following Table.

Estimated Data Uncertainties

PARAMETER	VALUE	MACH NUMBER												
		0.60	0.80	0.90	0.95	1.05	1.10	1.15	1.25	1.30	1.35	1.40	1.55	
Orbiter	CN	0	0.0203	0.0162	0.0149	0.0144	0.0137	0.0133	0.0131	0.0126	0.0124	0.0123	0.0122	0.0119
		0.40	0.0205	0.0163	0.0150	0.0145	0.0136	0.0133	0.0130	0.0126	0.0124	0.0122	0.0121	0.0119
	CLM	0	0.0116	0.0093	0.0085	0.0083	0.0078	0.0076	0.0075	0.0072	0.0071	0.0070	0.0070	0.0068
		0.30	0.0118	0.0094	0.0086	0.0083	0.0079	0.0077	0.0075	0.0072	0.0071	0.0070	0.0069	0.0068
	CY	0	0.0104	0.0083	0.0077	0.0074	0.0070	0.0069	0.0067	0.0065	0.0064	0.0063	0.0063	0.0061
		0.10	0.0105	0.0084	0.0077	0.0075	0.0070	0.0069	0.0067	0.0065	0.0064	0.0063	0.0063	0.0061
	CLN	0	0.0060	0.0048	0.0044	0.0043	0.0040	0.0040	0.0039	0.0037	0.0037	0.0036	0.0036	0.0035
		0.10	0.0061	0.0049	0.0045	0.0043	0.0041	0.0040	0.0039	0.0038	0.0037	0.0037	0.0036	0.0036
	CLL	0	0.0027	0.0021	0.0020	0.0019	0.0018	0.0018	0.0017	0.0017	0.0016	0.0016	0.0016	0.0016
		0.05	0.0027	0.0022	0.0020	0.0019	0.0018	0.0018	0.0017	0.0017	0.0016	0.0016	0.0016	0.0016
	CA	0	0.0020	0.0016	0.0015	0.0015	0.0014	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012	0.0012
		0.10	0.0022	0.0017	0.0016	0.0015	0.0014	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013	0.0012
Wing	CNW	0	0.0309	0.0247	0.0228	0.0220	0.0208	0.0203	0.0199	0.0192	0.0189	0.0187	0.0185	0.0182
		0.20	0.0308	0.0246	0.0227	0.0219	0.0207	0.0202	0.0198	0.0191	0.0188	0.0186	0.0184	0.0181
	CBW	0	0.0025	0.0020	0.0019	0.0018	0.0017	0.0016	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
		0.04	0.0026	0.0020	0.0019	0.0018	0.0017	0.0017	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
	CTW	0	0.0037	0.0030	0.0027	0.0026	0.0025	0.0025	0.0024	0.0023	0.0023	0.0022	0.0022	0.0022
		0.06	0.0038	0.0030	0.0028	0.0027	0.0025	0.0025	0.0024	0.0023	0.0023	0.0022	0.0022	0.0022
Elevons	CHEI	0	0.0151	0.0121	0.0111	0.0108	0.0102	0.0099	0.0097	0.0094	0.0093	0.0091	0.0090	0.0089
		0.08	0.0161	0.0128	0.0118	0.0115	0.0108	0.0106	0.0103	0.0100	0.0098	0.0097	0.0096	0.0094
	CHEO	0	0.0205	0.0164	0.0151	0.0146	0.0138	0.0135	0.0132	0.0127	0.0126	0.0124	0.0123	0.0120
		0.08	0.0203	0.0163	0.0150	0.0145	0.0137	0.0134	0.0131	0.0126	0.0125	0.0123	0.0122	0.0119
Pressure Coefficients	CP	0.5	0.0112	0.0090	0.0099	0.0095	0.0087	0.0084	0.0081	0.0077	0.0075	0.0072	0.0071	0.0067
		0.0	0.0112	0.0096	0.0084	0.0085	0.0080	0.0078	0.0076	0.0073	0.0072	0.0071	0.0070	0.0068
		-0.5	0.0145	0.0110	0.0083	0.0081	0.0077	0.0075	0.0074	0.0072	0.0071	0.0071	0.0071	0.0071

REFERENCES

1. **SSD91DO112A, Pretest Information for ASRB Test IA-613A of the 0.03-Scale 47-OTS Pressure Loads Space Shuttle model in the AEDC 16-Foot Transonic Wind Tunnel" dated March 9, 1991.**
2. **AEDC-TSR-91-P13," Effects of the Advanced Solid Propellant Rocket Motor (ASRM) on the Space Shuttle Launch Configuration (IA-613A)", dated June 1991.**
3. **Abernethy, R.B. and Thompson, J.W. Jr., "Handbook-Uncertainty in Gas Turbine Measurements." AEDC-TR-73-5 (AD755 356), February. 1973.**
4. **NASA-CR-167,671 "Results of Cold Plume Tests of the 0.010 Scale Model (75-OTS) in the NASA Ames Research Center 11x11-foot Wind Tunnel(IA-300)", dated September 1983**
5. **NASA Technical Paper 2569 "Investigation of Solid Plume Simulation Criteria to Produce Flight Plume Effects on Multibody Configurations in Wind Tunnel Tests" by Alonzo L. Frost and Charlie C. Dill, dated March 1986**

Table I Summary of Test Conditions

NOMINAL TEST CONDITIONS

MACH NUMBER	PT (psfa)	RE x 10⁶	Q (psf)	TT (deg F)	P (psfa)
0.60	1598	2.5	316	100	1253
0.80	1342	"	394	"	880
0.90	1274	"	427	"	753
0.95	1249	"	442	"	699
1.05	1216	"	467	"	606
1.10	1206	"	479	"	565
1.15	1200	"	489	"	528
1.25	1198	"	506	"	463
1.30	1201	"	513	"	434
1.35	1207	"	519	"	407
1.40	1216	"	524	"	382
1.55	1255	"	534	"	318

Mach Sweeps

M = 0.6 to 1.1 continuous sweep @ P_T approx. = 1400 PSF

M > 1.1, M = 1.15, 1.25, 1.30, 1.35, 1.40, and 1.55 @ $Re = 2.5 \times 10^6$

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)			DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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T B S T R U N N U M B E R S

alpha or beta

A: ALPHA = -8, -4, 0, +4 DEG.

SCHEDULES

IEABOX = 0.0 = TOP

= 180.0 = BOTTOM

= 999.0 = TOP + BOTTOM

* INCLUDES ALPHA -4.5 DEG @ M =0.9;

-4.7 DEG @ M=1.1; -5.1 DEG @ M=1.25;

-4.8 DEG @ M=1.40

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991							
DATA SBT IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION				BETA													
			alpha mach	Plume	IEA	ELVI	ELVO	-4	0	+4										
RCO021	B/L ORB/ET + RSRM	A	1.15	S1,2	TOP	10	9		640	641	642									
RCO022		A	1.25	S1,2	TOP	10	9		644	645	646									
RCO023	ORB/ET(DOOR OFF) +	A	1.25	S1,3	TOP	10	5		469	470*	471									
RCO024	RSRM	A	1.30	S1,3	TOP	10	5		476	477	478									
RCO025		A	1.35	S1,3	TOP	10	5		482	483	485									
RCO026		A	1.40	S1,3	TOP	10	5		489	490*	492									
RCO027		A	1.40	S1,3	TOP	10	-5		541	542	543									
RCO028		A	1.55	S1,3	TOP	10	-5		545	546	547									
RCO029	B/L ORB/ET + ASRM	A	.60	OFF	TOP	10	9		689	690	691									
RCO030		A	.80	OFF	TOP	10	9		693	694	695									
RCO031		A	.90	OFF	TOP	10	9		696	697*	698									
RCO032		A	.95	OFF	TOP	10	9		702	703	704									
RCO033		A	1.05	OFF	TOP	10	9		705	706	707									
RCO034		A	1.10	OFF	TOP	10	9		709	710*	711									
RCO035		A	1.15	OFF	TOP	10	9		712	713	714									
RCO036		A	1.25	OFF	TOP	10	9		715	716	717									
RCO037		A	1.25	OFF	TOP	10	5		1449	1450*	1451									
RCO038		A	1.30	OFF	TOP	10	5		1453	1454	1455									
RCO039		A	1.35	OFF	TOP	10	5		1457	1458	1459									
RCO040		A	1.40	OFF	TOP	10	5		1460	1461*	1462									
		T E S T R U N N U M B E R S																		

alpha or beta
SCHEDULES

A: ALPHA = -8, -4, 0, +4, DEG.

* INCLUDES ALPHA -4.5 DEG @ M=0.9;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25 DEG;
=4.8 DEG @ M=1.40

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF--829)		DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991	
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				BETA					
		alpha	mach	Plume	IEA	ELVI	ELVO	-4	0	+4			
RCO041	B/L ORB/ET + ASRM	A	1.55	OFF	TOP	10	5	1464	1465	1466			
RCO042		A	.60	S1,2	TOP	10	9	837	838	839			
RCO043		A	.80	S1,2	TOP	10	9	833	834	835			
RCO044		A	.90	S1,2	TOP	10	9	830	831*	832			
RCO045		A	.95	S1,2	TOP	10	9	827	828	829			
RCO046		A	1.05	S1,2	TOP	10	9	823	824	825			
RCO047		A	1.10	S1,2	TOP	10	9	820	821*	822			
RCO048		A	1.15	S1,2	TOP	10	9	816	817	818			
RCO049		A	1.25	S1,2	TOP	10	9	813	814	815			
RCO050		A	1.30	S1,2	TOP	10	9	810	811	812			
RCO051		A	1.35	S1,2	TOP	10	9	806	807	808			
RCO052		A	1.40	S1,2	TOP	10	9	803	804	805			
RCO053		A	1.25	S1,3	TOP	10	5	1373	1374*	1375			
RCO054		A	1.30	S1,3	TOP	10	5	1377	1378	1379			
RCO055		A	1.35	S1,3	TOP	10	5	1380	1381	1382			
RCO056		A	1.40	S1,3	TOP	10	5	1385	1386*	1387			
RCO057		A	1.55	S1,3	TOP	10	5	1388	1389	1390			
RCO058		A	1.40	S1,3	TOP	10	-5	1525	1526	1527			
RCO059		A	1.55	S1,3	TOP	10	-5	1529	1530	1531			
RCO060		A	.60	S1,2	TOP	10	5	1352	1353	1354			

T E S T R U N N U M B E R S

alpha or beta
SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.

* INCLUDES ALPHA -4.5 DEG @ M=0.90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)			DATA SET/RUNNUMBERCOLLATIONSUMMARY										DATE: MAR/APR 1991																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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RCO061	B/L ORB/ET + ASRM	A	.90	S1,2	TOP	10	5					1356			1357																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

* INCLUDES ALPHA -4.5 DEG @ M=0.90;

-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;

-4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB(IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)			DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991	
DATA SET IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION				BETA							
			alpha mach	Plume	IEA	ELVI	ELVC	-4	0	+4				
RCO081	B/L ORB/ET + ASRM	A .80	S1,2	BOT	10	9		760	761	762				T
RCO082		A .90	S1,2	BOT	10	9		765	766*	767				E
RCO083		A .95	S1,2	BOT	10	9		768	769	770				S
RCO084		A 1.05	S1,2	BOT	10	9		778	779	780				T
RCO085		A 1.10	S1,2	BOT	10	9		782	783*	784				
RCO086		A 1.15	S1,2	BOT	10	9		785	786	787				
RCO087		A 1.25	S1,2	BOT	10	9		788	789	790				
RCO088		A 1.25	S1,3	BOT	10	5		1400	1401*	1402				R
RCO089		A 1.30	S1,3	BOT	10	5		1405	1407	1408				U
RCO090		A 1.35	S1,3	BOT	10	5		1410	1411	1412				N
RCO091		A 1.40	S1,3	BOT	10	5		1413	1414*	1415				
RCO092		A 1.55	S1,3	BOT	10	5		1416	1417	1418				N
RCO093		A 1.40	S1,3	BOT	10	-5		1540	1541	1542				U
RCO094		A 1.55	S1,3	BOT	10	-5		1544	1545	1546				M
RCO095		A .60	OFF	BOT	8	9		1619	1620	1621				B
RCO096		A .80	OFF	BOT	8	9		1623	1624	1625				E
RCO097		A .90	OFF	BOT	8	9		1626	1627	1628				R
RCO098		A .95	OFF	BOT	8	9		1629	1630	1631				S
RCO099		A 1.05	OFF	BOT	8	9		1632	1633	1634				
RCO0A0		A 1.10	OFF	BOT	8	9		1636	1637	1638				

alpha or beta
SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.

* INCLUDES ALPHA -4.5 DEG @ M=90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF - 829)			DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
DATA SET		CONFIGURATION	SCHD.		CONTROL DEFLECTION				BETA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
IDENTIFIER	alpha		Plume	IEA	ELVI	ELVO	-4	0	+4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
RCO0A1	A	B/L ORB/ET + ASRM	1.15	OFF	BOT	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF - 829)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991				
DATA SET		CONFIGURATION	SCHD.		CONTROL DEFLECTION				BETA								
IDENTIFIER	alpha		mach	Plume	IEA	ELVI	ELVO	-4	0	+4							
RCO0C1		B/L ORB/ET + ASRM	A	.60	S1,2	T+B	10	5		1477		1478		1479			
RCO0C2			A	.90	S1,2	T+B	10	5		1481		1482		1483			
RCO0C3			A	1.10	S1,2	T+B	10	5		1484		1485		1486			
RCO0C4			A	1.15	S1,2	T+B	10	5		1488		1489		1490			
RCO0C5			A	1.25	S1,2	T+B	10	5		1491		1492		1493			
RCO0C6			A	1.25	S1,3	T+B	10	5		1501		1502		1503			
RCO0C7			A	1.30	S1,3	T+B	10	5		1505		1506		1507			
RCO0C8			A	1.35	S1,3	T+B	10	5		1508		1509		1510			
RCO0C9			A	1.40	S1,3	T+B	10	5		1512		1513		1514			
RCO0D0			A	1.55	S1,3	T+B	10	5		1515		1516		1517			
RCO0D1		ORB/ET(MIRROR) + ASRM	A	.60	S1,2	TOP	10	5		1720		1721		1722			
RCO0D2			A	.80	S1,2	TOP	10	5		1724		1725		1726			
RCO0D3			A	.90	S1,2	TOP	10	5		1727		1728		1729			
RCO0D4			A	.95	S1,2	TOP	10	5		1730		1731		1732			
RCO0D5			A	1.05	S1,2	TOP	10	5		1733		1734		1735			
RCO0D6			A	1.10	S1,2	TOP	10	5		1737		1738		1739			
RCO0D7			A	1.15	S1,2	TOP	10	5		1740		1741		1742			
RCO0D8			A	1.25	S1,2	TOP	10	5		1743		1744		1745			
RCO0D9			A	1.25	S1,3	TOP	10	5		1698		1699		1700			
RCO0E0			A	1.30	S1,3	TOP	10	5		1702		1703		1704			
T																	
E																	
S																	
T																	
R																	
U																	
N																	
N																	
U																	
M																	
B																	
E																	
R																	
S																	

T E S T R U N N U M B E R S

alpha or beta
SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB(A613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991	
DATA SET		SCHD.		CONTROL DEFLECTION			BETA						
IDENTIFIER	CONFIGURATION	alpha	mach	Plume	IEA	ELVI	ELVO	-4	0	+4			
RCO0E1	ORB/ET(MIRROR) + ASRM	A	1.35	S1,3	TOP	10	5	1706	1707	1708			
RCO0E2		A	1.40	S1,3	TOP	10	5	1709	1710	1711			
RCO0E3		A	1.55	S1,3	TOP	10	5	1712	1713	1714			
RCO0E4	B/L ORB/ET + RSRM	A	.60	OFF	TOP	10	9		664				
RCO0E5		A	.80	OFF	TOP	10	9		665				
RCO0E6		A	.90	OFF	TOP	10	9		666*				
RCO0E7		A	.95	OFF	TOP	10	9		667				
RCO0E8		A	1.05	OFF	TOP	10	9		668				
RCO0E9		A	1.10	OFF	TOP	10	9		670*				
RCO0F0		A	1.15	OFF	TOP	10	9		671				
RCO0F1		A	1.25	OFF	TOP	10	9		672*				
RCO0F2		A	1.35	OFF	TOP	10	9		675				
RCO0F3		A	1.40	OFF	TOP	10	9		676*				
RCO0F4		A	1.55	OFF	TOP	10	9		678				
RCO0F5		A	1.30	OFF	TOP	10	9			673			
RCO0F6		A	1.35	OFF	TOP	10	9			674			
RCO0F7	ORB/ET(DOOR OFF) +	-4	.60	S1,2	TOP	10	5		410				
RCO0F8	RSRM	-4	.80	S1,2	TOP	10	5		412				
RCO0F9		-4	.90	S1,2	TOP	10	5		413				
RCO0G0		-4	.95	S1,2	TOP	10	5		414				
T E S T R U N N U M B E R S													

T B S T R U N N U M B E R S

* INCLUDES ALPHA -4.5 DEG @ M=0.90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUNNUMBERCOLLATIONSUMMARY										DATE: MAR/APR 1991	
DATA SET IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION				BETA						
			alpha mach	Plume	IEA	ELVI	ELVO	-4	0	+4			
RCO0G1	ORB/ET(DOOR OFF) +	-4	1.05	S1,2	TOP	10	5		415				T
RCO0G2	RSRM	-4	1.10	S1,2	TOP	10	5		416				B
RCO0G3		-4	1.15	S1,2	TOP	10	5		417				S
RCO0G4		-4	1.25	S1,2	TOP	10	5		421				T
RCO0G5		-4	1.25	S1,2	TOP	10	5		447				R
RCO0G6		-4	1.30	S1,2	TOP	10	5		451				U
RCO0G7		-4	1.35	S1,2	TOP	10	5		452				N
RCO0G8		-4	1.40	S1,2	TOP	10	5		454				N
RCO0G9		-4	1.25	S1,3	TOP	10	5		458				U
RCO0H0		-4	1.40	S1,3	TOP	10	5		459				M
RCO0H1		-4	1.55	S1,3	TOP	10	5		461				B
RCO0H2	B/L ORB/ET + ASRM	A	.90	S1,2	BOT	10	9	763					B
RCO0H3		A	1.05	S1,2	BOT	10	9	773	776				R
RCO0H4	B/L ORB/ET + RSRM	A	1.10	S1,2	TOP	10	9		638				S
RCO0H5		A	1.25	S1,2	TOP	10	9		653*				
RCO0H6		A	1.30	S1,2	TOP	10	9		655				
RCO0H7		A	1.35	S1,2	TOP	10	9		565				
RCO0H8		A	1.40	S1,2	TOP	10	9		657*				
RCO0H9		A	1.55	S1,2	TOP	10	9		658				
RCO0I0		-4	SWF	S1,2	TOP	10	9		603				

alpha or beta
SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.

* INCLUDES ALPHA --4.5 DEG @ M=0.90;
--4.7 DEG @ M=1.10; --5.1 DEG @ M=1.10;
--4.8 DEG @ M=1.40

[illegible]

TABLE II - (Continued)

VOLUME I - FORCE DATA

<u>1ST</u> <u>CHARACTER</u> <u>ID</u>	<u>1ST IND.</u> <u>VAR.</u>	<u>2ND IND.</u> <u>VAR.</u>	<u>COEFFICIENTS</u>
R	BETA	ALPHA	MACH CN CNF CLM CLMF CA CAF CY CYN CBL
S	BETA	ALPHA	MACH PHI CHEI CHEO CNW CBW CTW
T	BETA	ALPHA	MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS

R DATASETS PAGES 1-167
S DATASETS PAGES 168-334
T DATASETS PAGES 335-501

NOTE: The first and second independent variable for the Mach sweep runs (D/S's I0 and I1) are ALPHA and MACH, respectively and the fourth character of the dataset ID is used to identify subdivisions of the Mach sweep.

VOLUME II - PRESSURE DATA

<u>4TH</u> <u>CHARACTER</u> <u>ID</u>	<u>COMPONENT</u>	<u>PRINT</u> <u>PAGE NO.</u>	<u>MICROFICHE</u> <u>PAGE NO.</u>
B	ORBITER FUSELAGE	1- 2810	1 - 45
E	ORBITER BASE	2811- 4039	45- 65
G	BODY FLAP -UPPER SURFACE	4040- 4741	65- 76
F	BODY FLAP - LOWER SURFACE	4742- 5443	76- 87
U	WING - UPPER SURFACE	5444- 8953	88-143
L	WING - LOWER SURFACE	8954-12801	143-204
V	VERTICAL TAIL	12802-13660	204-218
T	EXTERNAL TANK	13661-17209	219-275
A	EXTERNAL TANK BASE	17210-18438	275-294
M	EXTERNAL TANK LO ₂ FEEDLINE	18439-19352	294-309
S	LEFT SRB	19353-21136	310-338
C	LEFT SRB BASE	21137-21668	338-346
H	SRB SYSTEMS TUNNEL	21669-22897	346-366

NOTE: For the Mach sweep datasets (D/S's I0 and I1) the first character of the dataset ID is used to identify subdivisions.

TABLE II (Concluded)

VOLUME II - KULITE DATA (DBRMS)

<u>4TH CHARACTER ID</u>	<u>COMPONENT</u>	<u>PRINT PAGE NO.</u>	<u>MICROFICHE PAGE NO.</u>
N	ORBITER FUSELAGE	22898-23443	367-375
O	WING - UPPER SURFACE	23444-23886	375-382
P	WING - LOWER SURFACE	23887-24432	382-391
Q	EXTERNAL TANK	24433-25522	391-408
R	LEFT SRB	25523-26612	408-426

NOTE: 1st Character ID for Kulite data is K except for the Mach sweep runs where it is used to identify subdivisions of D/S's I0 and I1.

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

ESP PORT No.	ESP #1 Fuselage		ESP #2 Fuselage	ESP #3 Fuselage/Wing
	Press. No.	COMMENT	Press. No.	Comment
1	Cal.		Cal.	
2	1		58	113
3	2		59	114
4	3		60	115
5	5		61	116
6	6		62	117
7	7		63	118
8	8		64	119
9	9		65	121
10	10		69	122
11	11		70	123
12	12		71	124
13	13		72	125
14	17		73	126
15	18		74	127
16	19		75	128
17	20		76	130 BC/(Plugged)
18	21		77	131 ? (watch)
19	22		78	132
20	23		79	133
21	24		80	134
22	25		81	135
23	29		85	136
24	30		86	137
25	31		87	138
26	32		88 BC/(Plugged)	140 BC/(Plugged)
27	33		89	141
28	34		90	142
29	35		91	143
30	36		92	144
31	37		94	145
32	Cal.		Cal.	Cal.
33	41 BC/(Out)		95	146
34	42		96	147
35	43		97	148
36	44		98	150
37	45		99	151
38	46		100	601
39	47		101	602
40	48		103	603
41	49		104	604
42	53		105	605
43	54		106	606 BC/(Leak)
44	55		107	607
45	56		108	608
46	57		109	609
47	Open		110	610
48	Open		112	611

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

PORT No.	ESP #4 Wing		PORT No.	ESP #5 Wing		PORT No.	ESP #6 Wing	
	Press. No.	COMMENT		Press. No.	COMMENT		Press. No.	COMMENT
1	Cal.			Cal.			Cal.	
2	612			658			707	
3	613			659			708	
4	614			660			709	
5	615			661			710	
6	616			662			711	
7	617			663	? (watch)		712	
8	618	BC/(Out)		664			713	
9	619	BC/(Out)		665			714	
10	620			667			716	
11	621			668			717	
12	622			669			718	
13	623			670			719	
14	624			671			720	
15	625			672			721	
16	626			673			722	
17	627			674			723	
18	628			675			724	
19	629			676			725	
20	630			677			726	
21	631			678			727	
22	633			679			728	
23	634			680			729	
24	635			681			730	
25	636			682			732	
26	637			684			733	
27	638			685			734	
28	639			686			735	
29	640			687			736	
30	641			688			737	
31	642			689			738	
32	Cal.			Cal.			Cal.	
33	643			690			739	BC/(Leak)
34	644			691			740	
35	645			692			741	
36	646			693	BC/(Out)		742	
37	647			694			743	
38	648			695			744	BC/(Plugged)
39	650			696			745	
40	651			697	BC/(behind screw hole)		746	
41	652			698			748	
42	653			700			749	
43	654			701			750	
44	655			702			751	
45	656			703			752	
46	657			704			753	
47	Open			705	SL @R#1583		214	
48	Open			706			215	

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

PORT No.	ESP #7 Wing		PORT No.	ESP #8 Wing		PORT No.	ESP #9 Wing	
	Press. No.	COMMENT		Press. No.	COMMENT		Press. No.	COMMENT
1	Cal.		1	Cal.		1	Cal.	
2	754		2	803		2	848	
3	755		3	804		3	849	? (watch)
4	756		4	805		4	850	
5	757		5	806		5	851	
6	758		6	807		6	852	
7	759		7	808		7	853	
8	760		8	809		8	854	
9	761		9	810		9	855	
10	762		10	812		10	857	
11	764		11	813	BC/(Out)	11	858	SL>R#1583
12	765		12	814		12	859	
13	766		13	815	? >R#557	13	860	
14	767		14	816		14	861	
15	768		15	817		15	862	
16	769		16	818		16	863	
17	770		17	819		17	864	
18	771		18	820		18	865	
19	772		19	821		19	866	
20	773		20	822		20	867	
21	774		21	823		21	868	
22	775		22	824		22	869	BC>R#1583
23	776		23	825		23	870	
24	777		24	827		24	872	
25	778	? (watch)	25	828		25	873	BC/(Out)
26	780		26	829		26	874	
27	781		27	830		27	875	
28	782		28	831		28	876	
29	783		29	832		29	877	
30	784		30	833		30	878	
31	785		31	834		31	879	
32	Cal.		32	Cal.		32	Cal.	
33	786		33	835		33	880	
34	787		34	836		34	881	
35	788		35	837		35	882	
36	789		36	838		36	883	
37	790		37	839		37	884	
38	791		38	840		38	885	LK R#1525-1539
39	792		39	295		39	887	
40	793		40	296		40	888	
41	794		41	844		41	889	
42	796		42	845		42	890	
43	797	? (watch)	43	846		43	891	
44	798		44	847		44	892	
45	799		45	291		45	Open	
46	800		46	292		46	Open	
47	801		47	293		47	Open	
48	802		48	294		48	Open	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

ESP PORT No.	ESP #10 Wing & Fuselage		ESP #11 Fuselage	ESP #12 Fuselage	
	Press. No.	COMMENT		Press. No.	COMMENT
1	Cal.		Cal.	Cal.	
2	893		218	301	
3	894		219	302	
4	895		220	303	
5	896		221	304	
6	897		222	305	
7	898		223	306	
8	901	BC/(Open)	224	307	
9	900		225	308	
10	902		226	309	
11	903		227	310	
12	904		183	311	
13	905		184	312	
14	906	BC/(Not Exist)	185	313	
15	907		186	314	
16	909		187	315	
17	910		188	316	
18	911		189	317	
19	912		190	318	
20	152		191	319	
21	154		192	320	
22	155		193	321	
23	156		194	322	
24	157		195	323	
25	158		196	324	
26	159		197	401	
27	161		198	402	
28	162		199	403	
29	163		200	404	
30	164		201	405	
31	165		202	406	
32	Cal.		Cal.	Cal.	
33	166		288	407	
34	167		289	408	
35	168		290	409	
36	169		204	410	
37	170		205	411	
38	171		206	412	
39	173		207	413	
40	174		208	414	
41	175		209	415	
42	176		210	416	Sub #424/(Open)
43	177		211	417	
44	178		212	418	
45	179		216	419	
46	180		217	420	
47	181		576	421	
48	Open		297	422	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

ESP PORT No.	ESP #13 Body Flap & V.T.		ESP #14 Vertical Tail			
	Press. No.	COMMENT	Press. No.	COMMENT		
1	Cal.		Cal.			
2	423		530			
3	424		531			
4	425		532			
5	426		533			
6	427		534			
7	428		535			
8	429		536			
9	430		537			
10	431		538			
11	432		539			
12	433		540			
13	434		541			
14	435		542			
15	436		543			
16	437		544			
17	438		545			
18	439		546			
19	440		547			
20	501		548			
21	502		549			
22	503		550			
23	504		551			
24	505		552			
25	506		553			
26	507		554			
27	509		555			
28	510		556			
29	511		557			
30	512		558			
31	513		559			
32	Cal.		Cal.			
33	514		560			
34	515		561			
35	516		562			
36	517		563			
37	518		564			
38	519		565			
39	520		566			
40	521		567			
41	522		568			
42	523		569			
43	524		570			
44	525		571			
45	526		572			
46	527		573			
47	528		574			
48	529		575			

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP # PORT No.	ESP #15 Spike Nose Press. No.	COMMENT	ESP #16 Ogive Press. No.	COMMENT	ESP #17 Ogive Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	1002		1046		1088	
3	1003		1047		1089	
4	1004		1048		1090	
5	1005		1049		1091	
6	1006		1050		1092	
7	1007		1051		1093	
8	1008		1052		1094	
9	1009		1053		1095	
10	1010		1054		1096	
11	1011		1055		1097	
12	1012		1056		1098	
13	1013		1057		1099	
14	1014		1058		1100	
15	1015		1059		1101	
16	1016		1060		1102	
17	1017		1061		1103	
18	1018		1062		1104	
19	1019		1063		1105	
20	1020		1064	BC/(Plugged>R#407)	1106	
21	1021		1065		1107	
22	1022		1066		1108	
23	1023		1067		1109	
24	1024	? (watch)	1068		1110	BC/(>R#447)
25	1025		1069		1111	
26	1026		1070		1112	
27	1027		1071		1113	
28	1028		1072		1114	
29	1029		1073		1115	
30	1030		1074		1116	
31	1031		1075		1117	
32	Cal.		Cal.		Cal.	
33	1032		1076		1118	
34	1033		1077		1119	
35	1034		1078		1120	
36	1035		1079		1121	
37	1036		1080		1122	
38	1037	BC/(>R#469)	1081		1123	
39	1038		1082		1124	
40	1039		1083		1125	
41	1040		1084		1126	
42	1041		1085		1127	
43	1042		1086		1128	
44	1043		1087		1129	
45	1044		Open		Open	
46	1045		Open		Open	
47	Open		Open		Open	
48	Open		Open		Open	

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP #18 Mid & Aft-Body			ESP #19 Mid & Aft-Body			ESP #20 Mid & Aft-Body		
ESP PORT No.	Press. No.	COMMENT	Press. No.	COMMENT		Press. No.	COMMENT	
1	Cal.		Cal.			Cal.		
2	1130		1176			1223		
3	1131		1177			1224		
4	1132		1178			1225		
5	1133		1179			1226		
6	1134		1180			1227		
7	1135		1181			1228		
8	1136		1182			1229		
9	1137		1183			1230		
10	1138		1184			1231	BC/(Out>R#409)	
11	1139		1185			1232		
12	1140		1186			1233		
13	1141		1187			1234		
14	1142		1188			1235		
15	1143		1189			1236		
16	1144		1190			1237		
17	1145		1191			1238	BC/(Out>R#409)	
18	1146		1192			1239		
19	1147		1193			1240		
20	1148		1194			1241		
21	1149		1195			1242		
22	1150		1196			1243		
23	1151		1197			1244		
24	1152		1198			1245		
25	1153		1199			1246		
26	1154		1200			1247		
27	1155		1201			1248		
28	1156		1202			1249		
29	1157		1203			1250		
30	1158		1204			1251		
31	1159		1205			1252		
32	Cal.		Cal.			Cal.		
33	1160		1206			1253		
34	1161		1207			1254		
35	1162		1208			1255		
36	1163		1209			1256		
37	1164		1210			1257		
38	1165		1212			1258		
39	1166		1213			1259		
40	1167		1214			1260		
41	1168		1215			1261		
42	1169		1216			1262		
43	1170		1217			1263		
44	1171		1218			1264		
45	1172		1219			1265		
46	1173		1220			1266	BC/(Bad)	
47	1174		1221			1267		
48	1175		1222			1268		

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP PORT No.	ESP #21 Mid & Aft-Body		ESP #22 Mid & Aft-Body	ESP #23 Mid & Aft-Body
	Press. No.	COMMENT	Press. No.	Press. No.
1	Cal.		Cal.	Cal.
2	1269		1309	1348
3	1270		1310	1349
4	1271		1311	1350
5	1272	BC(>R#469)	1312	1351
6	1273		1313	1352
7	1274		1314	1353
8	1275		1315	1354
9	1276		1316	1355
10	1277		1317	1356
11	1278		1318	1357
12	1279		1319	1358
13	1280		1320	1359
14	1281		1321	1360
15	1282		1322	1361
16	1283		1323	1362
17	1284		1324	1363
18	1285		1325	1364
19	1286		1326	1365
20	1287		1327	1366
21	1288		1328	1367
22	1289		1329	1368
23	1290		1330	1369
24	1291		1331	1370
25	1292		1332	1371
26	1293		1333	1372
27	1294		1334	1373
28	1295		1335	1374
29	1296		1336	1375
30	1297		1337	1376
31	1298		1338	1377
32	Cal.		Cal.	Cal.
33	1299		1339	1378
34	1300		1340	1379
35	1301		1341	1380
36	1302		1342	1381
37	1303		1343	1382
38	1304		1344	1383
39	1305		1345	1384
40	1306		1346	1385
41	1307		1347	1386
42	1308		Open	Open
43	Open		Open	Open
44	Open		Open	Open
45	Open		Open	Open
46	Open		Open	Open
47	Open		Open	Open
48	Open		Open	Open

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP #24 Mid & Aft-Body			ESP #25 ET Base		ESP #26 Base & LO2 Feedi	
ESP PORT No.	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	1387		1501		1546	
3	1388		1502		1547	
4	1389		1503		1548	
5	1390		1504		1549	
6	1391		1505		1550	
7	1392		1506		1551	
8	1393		1507		1552	
9	1394		1508		1553	
10	1395		1509		1554	
11	1396		1510		1555	
12	1397		1511		1556	
13	1398		1512		1557	
14	1399		1513		1558	
15	1400		1514		1559	
16	1401		1515		1560	
17	1402		1516		1561	
18	1403		1517		1562	
19	1404		1518		1563	
20	1405		1519		1564	
21	1406		1520		1565	
22	1407		1521		1566	
23	1408		1522		1567	
24	1409		1523		1568	
25	1410		1524		1569	
26	1411		1525		1570	
27	1412		1526		1571	
28	1413		1527		1572	
29	1414		1528		1573	
30	1415		1529		1574	
31	1416		1530		1782	
32	Cal.		Cal.		Cal.	
33	1417		1531		1783	
34	1418		1532		1784	
35	1419		1533		1785	
36	1420		1534		1786	
37	1421		1535		1787	
38	1422		1536		1788	
39	1423		1537		1789	
40	1424		1538		1790	
41	1425		1539		1791	
42	Open		1540		1792	
43	Open		1541		1793	
44	Open		1542		1794	
45	Open		1543		1795	
46	Open		1544		Open	
47	Open		1545		Open	
48	Open		Open		Open	

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP PORT No.	ESP # 27 LO2 Feedline					
	Press. No.	COMMENT				
1	Cal.					
2	1796					
3	1797					
4	1798					
5	1799					
6	1800					
7	1801					
8	1802					
9	1803					
10	1804					
11	1805					
12	1806					
13	1807					
14	1808					
15	1809					
16	1810					
17	1811					
18	1812					
19	1813					
20	1814					
21	1815					
22	1816					
23	1817					
24	1818					
25	1819					
26	1820					
27	1821					
28	1822					
29	1823					
30	1824					
31	1825					
32	Cal.					
33	1826					
34	1827					
35	1828					
36	1829					
37	1830					
38	1831					
39	1832					
40	1833					
41	1834					
42	1835					
43	1836					
44	1837					
45	1838					
46	1839					
47	1840					
48	1841					

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

SOLID ROCKET BOOSTER ESP HOOKUP

ESP #28 Nose & ETA Ring			ESP #29 Fwd Shell & Sys Tun			ESP #30 Lwr Fwd Shell		
ESP PORT No.	Press. No.	COMMENT	Press. No.	COMMENT		Press. No.	COMMENT	
1	Cal.		Cal.			Cal.		
2	2001		2028			2026		
3	2002	?(R#498-517)	2029	?(R#498-517)		2027	?(R#498-517)	
4	2003		2030			2032		
5	2004	?(R#498-517)	2037	?(watch)+(R#498-517)		2033	?(R#498-517)	
6	2005		2038			2034		
7	2006	?(R#498-517)	2039	?(R#498-517)		2035	BC>R#780(?(R#498-517)	
8	2007		2046			2036		
9	2008	?(R#498-517)	2047	?(R#498-517)		2040	?(R#498-517)	
10	2009		2048			2041		
11	2010	?(R#498-517)	2053	?(R#498-517)		2042	?(R#498-517)	
12	2011		2054			2043		
13	2012	?(R#498-517)	2055	?(R#498-517)		2044	?(R#498-517)	
14	2013		2064			2045		
15	2014	?(R#498-517)	2065	?(R#498-517)		2049	?(R#498-517)	
16	2015		2066			2050		
17	2016	?(R#498-517)	2073	?(R#498-517)		2051	?(R#498-517)	
18	2017		2074			2052		
19	2018	?(R#498-517)	2075	?(R#498-517)		2056	?(R#498-517)	
20	2019		2082			2057		
21	2020	?(R#498-517)	2083	?(R#498-517)		2058	?(R#498-517)	
22	2021		2084	?(watch)		2059		
23	2022	?(R#498-517)	2091	?(R#498-517)		2060	?(R#498-517)	
24	2023		2092			2061		
25	2024	?(R#498-517)	2093	?(R#498-517)		2062	?(R#498-517)	
26	2025		2301			2063		
27	2096	?(R#498-517)	2302	?(R#498-517)		2067	?(R#498-517)	
28	2097	?(watch)	2303	BC/(Plugged>R#1525)		2068		
29	2098	?(watch)+(R#498-517)	2304	?(R#498-517)		2069	?(R#498-517)	
30	2099		2305			2070		
31	2101	?(R#498-517)	2306	?(watch)&R#498-517		2071	?(R#498-517)	
32	Cal.		Cal.			Cal.		
33	2103	?(R#498-517)	2307	?(R#498-517)		2072	?(R#498-517)	
34	2104		2308			2076		
35	2105	?(R#498-517)	2309	?(R#498-517)		2077	?(R#498-517)	
36	2106		2310			2078		
37	2108	?(R#498-517)	2311	?(R#498-517)		2079	?(R#498-517)	
38	Open		2312			2080		
39	Open		2313	?(R#498-517)		2081	?(R#498-517)	
40	Open		2314			2085		
41	Open		2331	?(R#498-517)		2086	?(R#498-517)	
42	Open		2333	BC/(Out)		2087		
43	Open		Open			2088	?(R#498-517)	
44	Open		Open			2089		
45	Open		Open			2090	?(R#498-517)	
46	Open		Open			2094		
47	Open		Open			2095	?(R#498-517)	
48	Open		Open			Open		

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

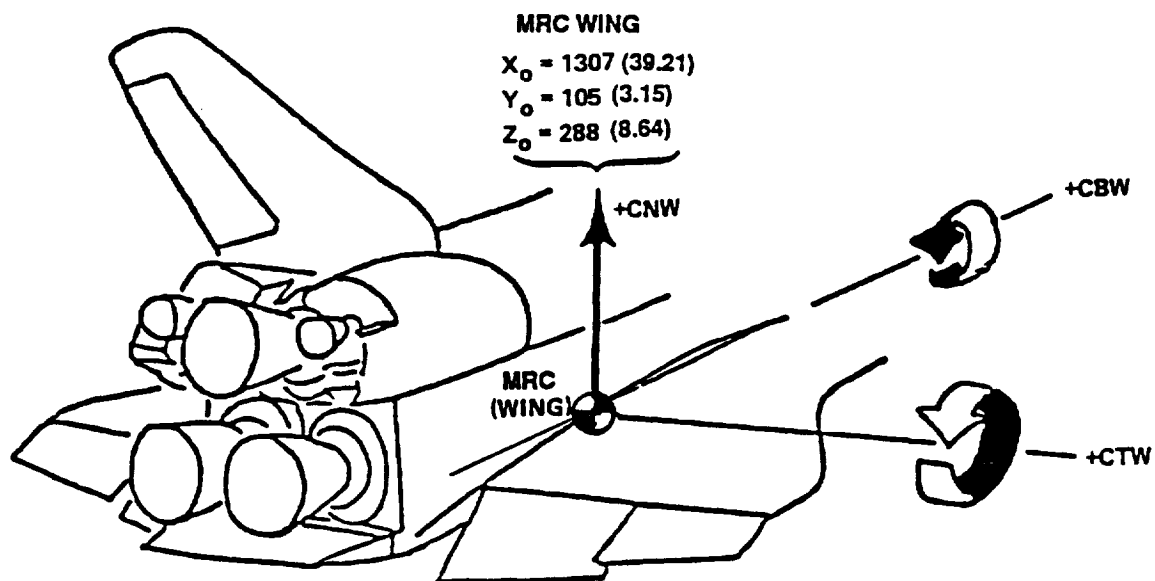
TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A SSV MODEL 47-OTS

SOLID ROCKET BOOSTER ESP HOOKUP

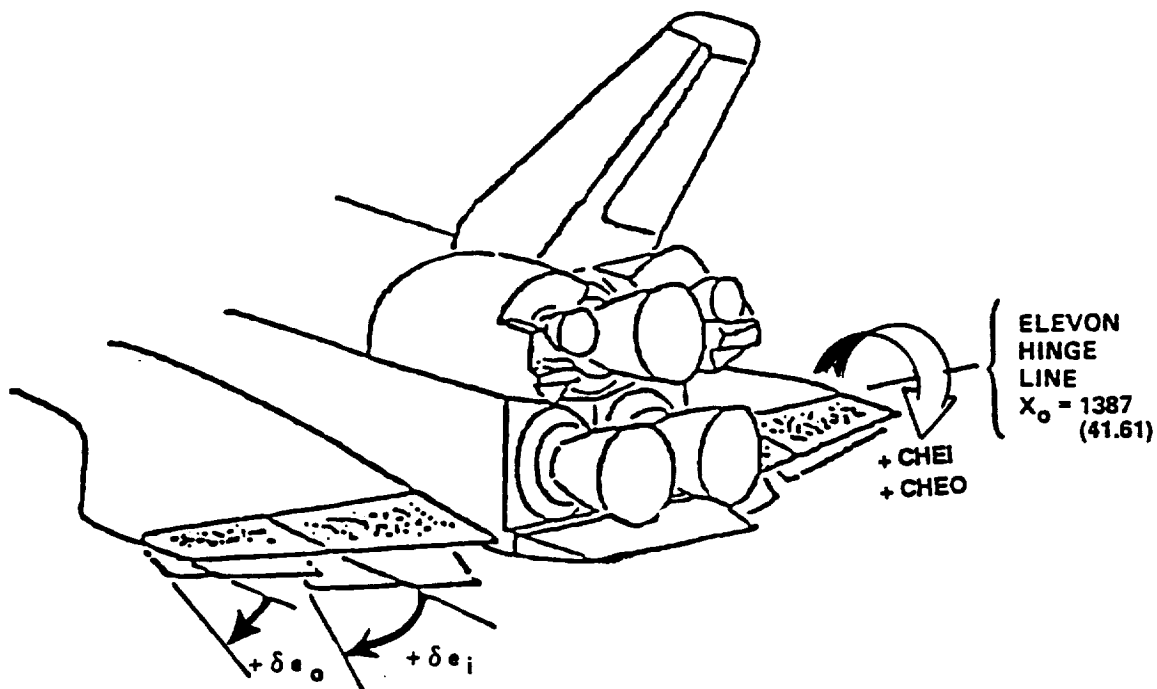
ESP PORT No.	ESP #31 Top Aft Shell		ESP #32 Skirt-Nozzle-Base			
	Press. No.	COMMENT	Press. No.	COMMENT		
1	Cal.		Cal.			
2	2115		2144			
3	2116	?(R#498-517)	2145	?(R#498-517)		
4	2117		2146			
5	2122	?(R#498-517)	2147	?(R#498-517)		
6	2123		2148			
7	2124	?(R#498-517)	2149	?(R#498-517)		
8	2131		2150			
9	2132	?(R#498-517)	2151	?(R#498-517)		
10	2133		2152			
11	2138	?(R#498-517)	2153	?(R#498-517)		
12	2139		2154			
13	2140	?(R#498-517)	2155	?(R#498-517)		
14	2110		2156			
15	2111	?(R#498-517)	2157	?(R#498-517)		
16	2112		2158			
17	2113	?(R#498-517)	2159	?(R#498-517)		
18	2114		2160			
19	2118	?(R#498-517)	2161	?(R#498-517)		
20	2119		2162			
21	2120	?(R#498-517)	2163	?(R#498-517)		
22	2121		2164			
23	2125	?(R#498-517)	2165	?(R#498-517)		
24	2126		2166			
25	2127	?(R#498-517)	2167	?(R#498-517)		
26	2128		2168			
27	2129	?(R#498-517)	2169	?(R#498-517)		
28	2130		2170			
29	2134	?(R#498-517)	2171	?(R#498-517)		
30	2135		2172			
31	2136	?(R#498-517)	2173	?(R#498-517)		
32	Cal.		Cal.			
33	2137	?(R#498-517)	2174	?(R#498-517)		
34	2141		2175			
35	2142	?(R#498-517)	2176	?(R#498-517)		
36	2327		2177			
37	2328	?(R#498-517)	2178	?(R#498-517)		
38	2329		2179			
39	2330	?(R#498-517)	2201	?(R#498-517)		
40	2143		2202			
41	Open		2203	?(R#498-517)		
42	Open		2204			
43	Open		2205	?(R#498-517)		
44	Open		2206			
45	Open		2207	?(R#498-517)		
46	Open		2208			
47	Open		2209	?(R#498-517)		
48	Open		2210			

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution



ALL DIMENSIONS IN INCHES
 MODEL SCALE IN PARENTHESES

Figure 1b; Wing coordinate axes.



ALL DIMENSIONS IN INCHES
 MODEL SCALE IN PARENTHESES

Figure 1c; Elevon coordinate axes.

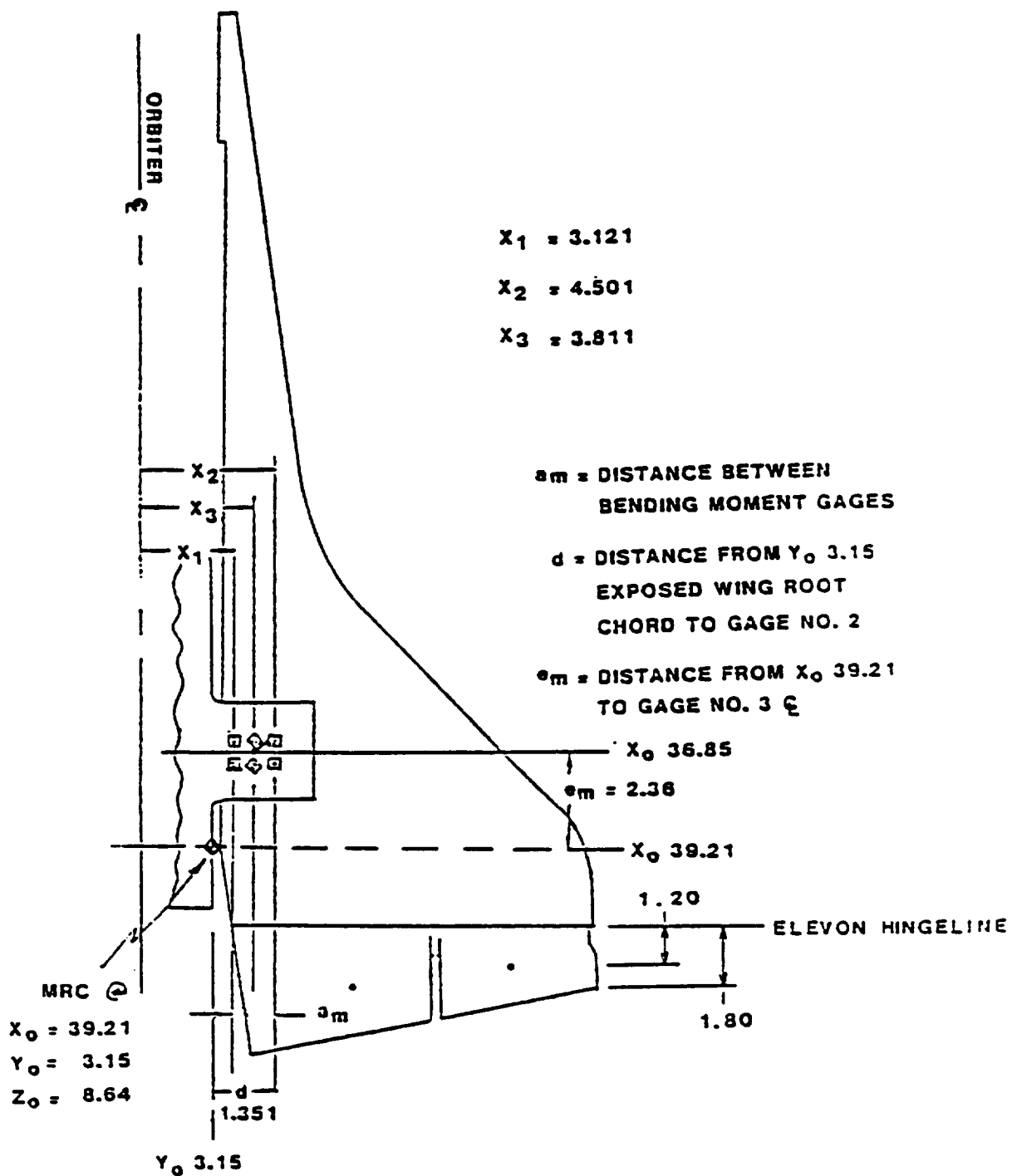


Figure 1d ; Wing Balance Transfer

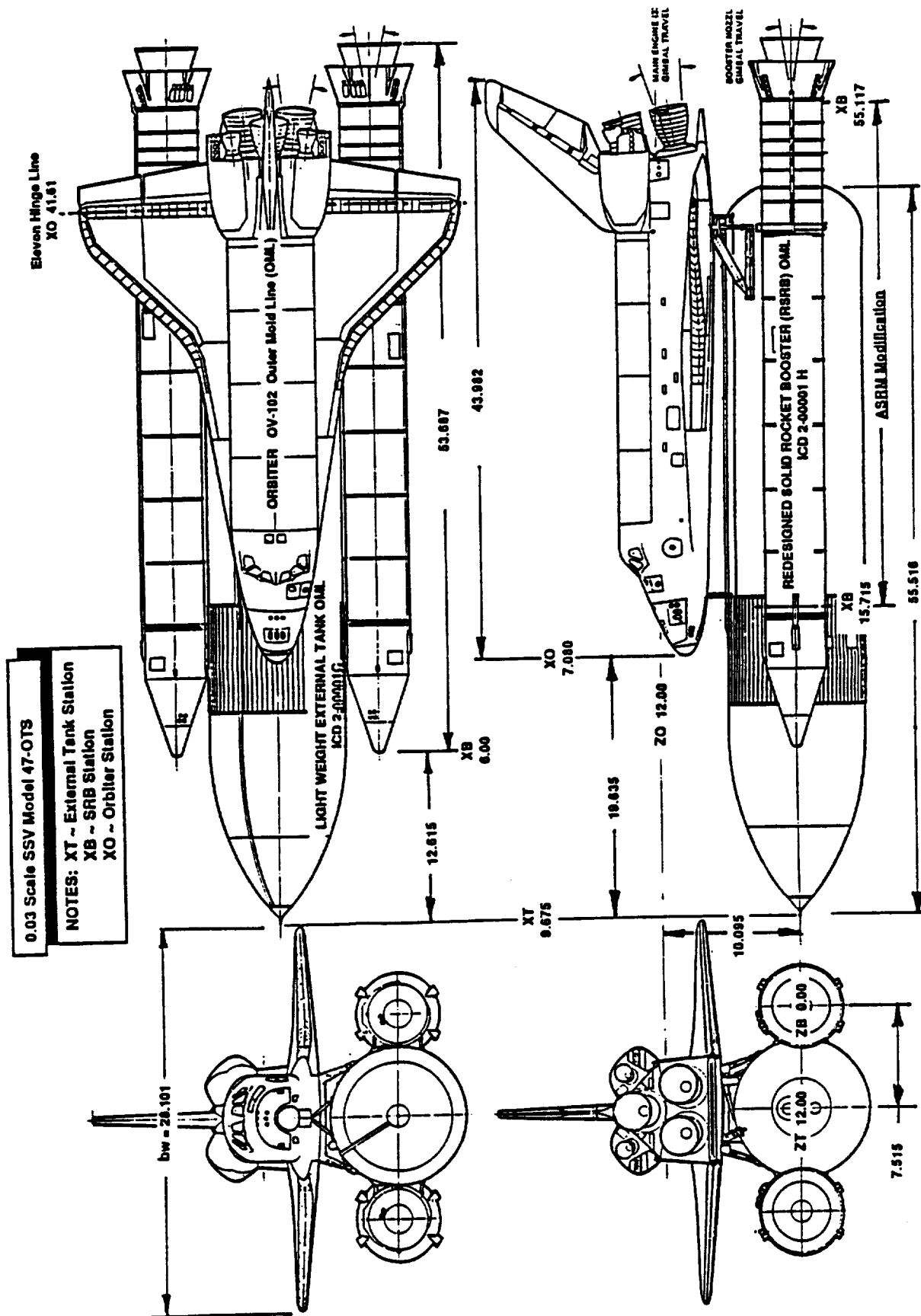
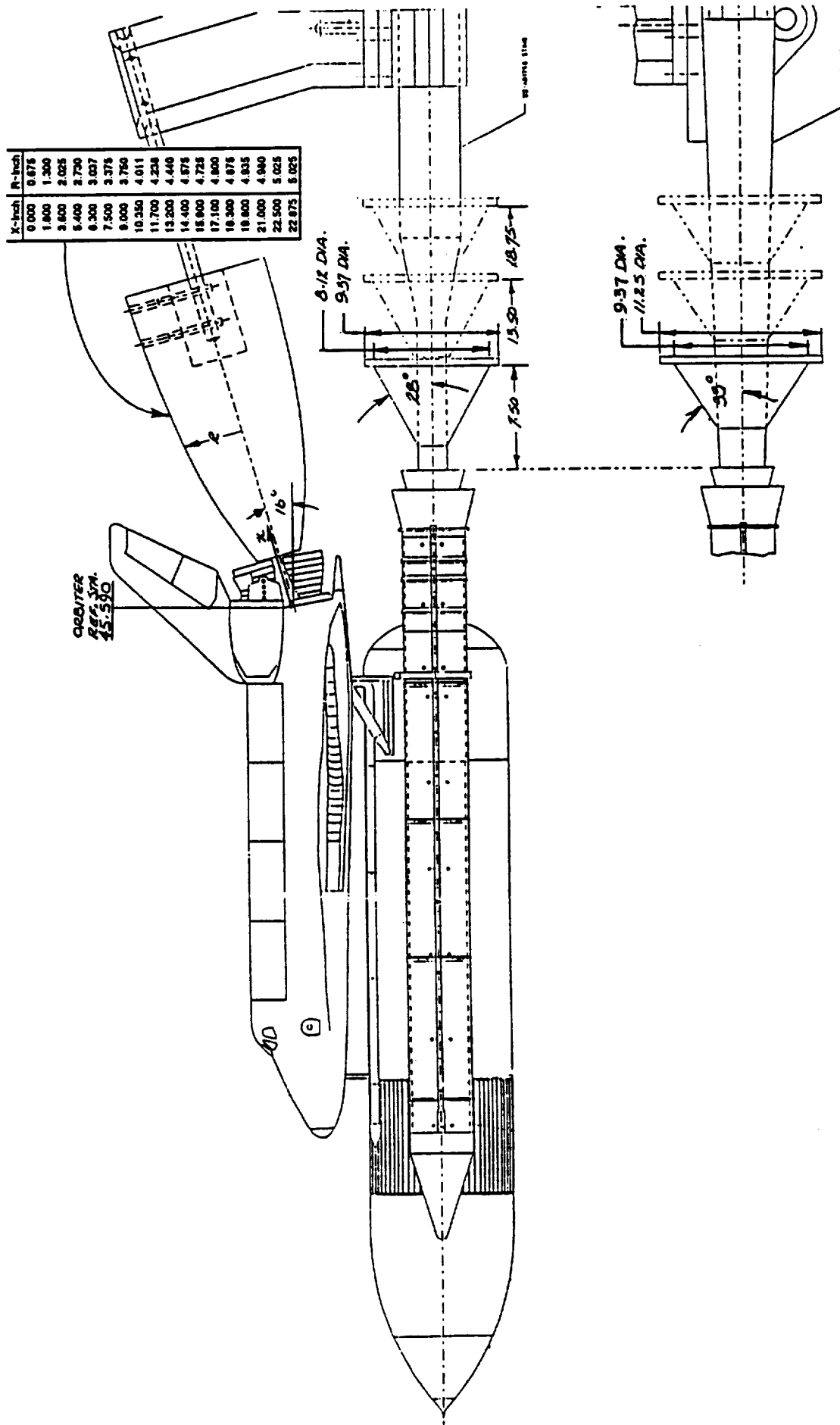


Figure 2 a ; Launch Vehicle Configuration



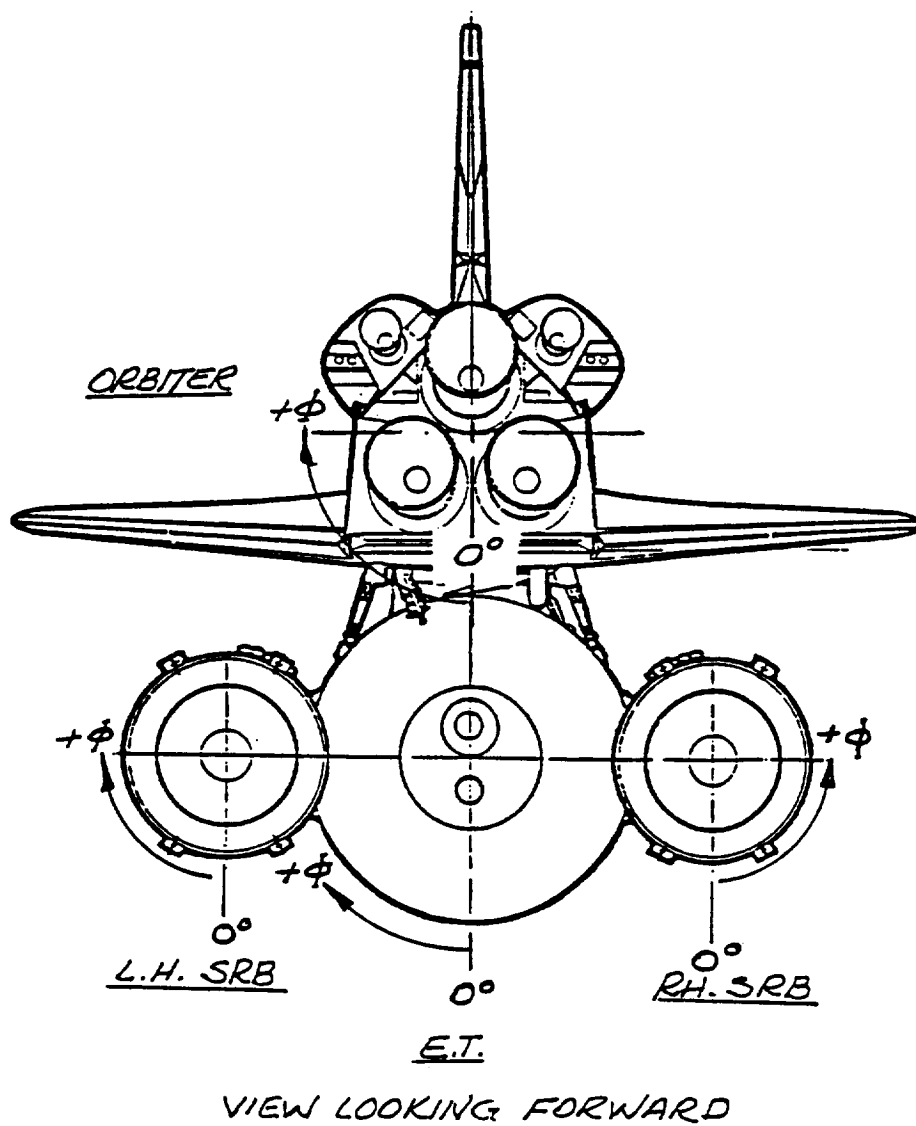
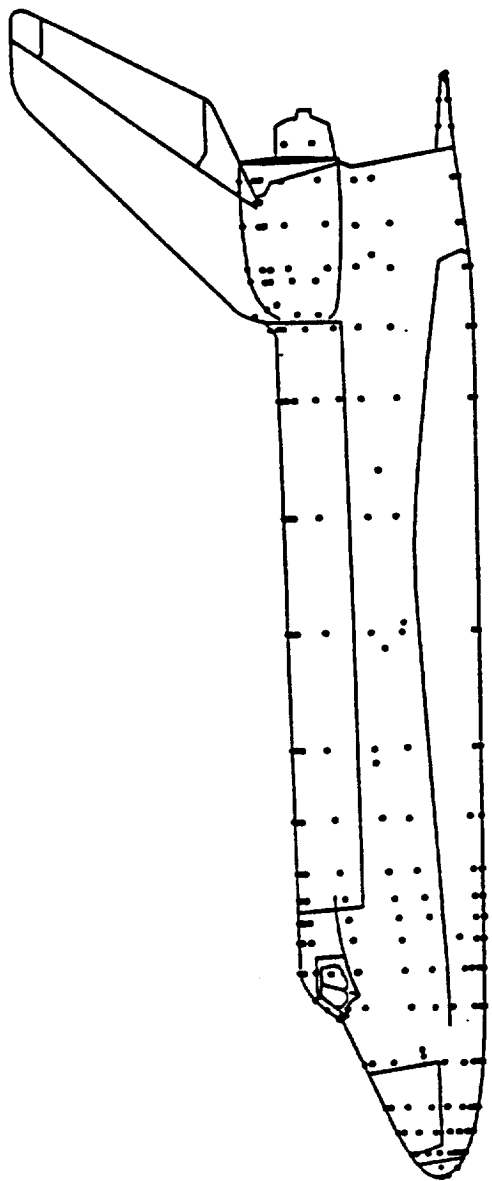
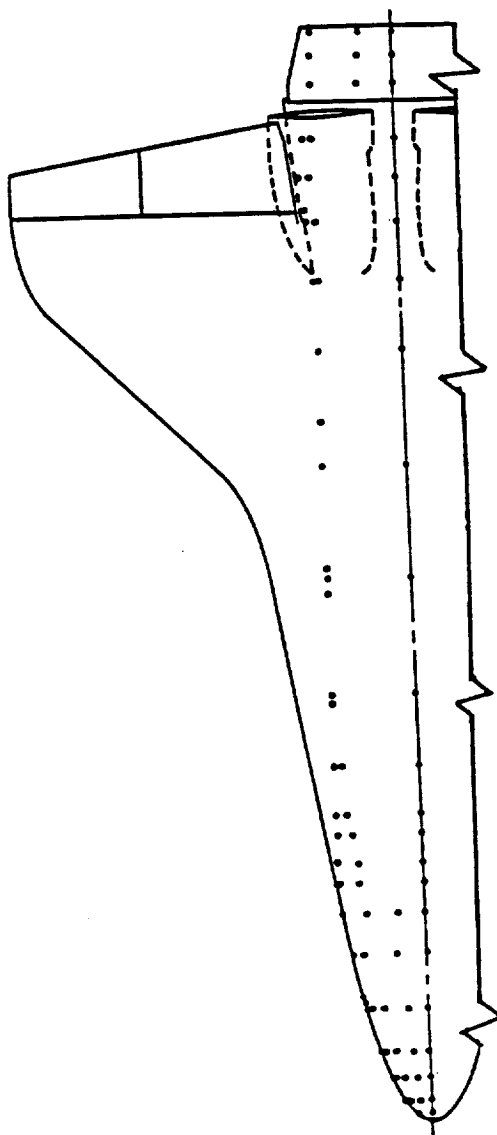


Figure 3a: Instrumentation Phi (ϕ) Angle Definition



ORBITER SIDE VIEW



ORBITER BOTTOM VIEW (L.H. Side)

Figure 3 b ; Steady State Static Pressure Tap Locations - Orbiter Fuselage Layout

X(0)	X/L	0	20	40	55	60	67.5	70	82	90	105	110	120	135	140	150	151	156	162	165	169	174	180	S
235	0.0000	1																					1	1
245	0.0078	2								3													2	2
255	0.0233	5	6	7	8			9		10			11			12							4	9
295	0.0465	17	18	19	20			21		22			23			24							13	9
325	0.0698	29	30	31	32			33		34			35			36							25	9
380	0.1124	41	42	43	44			45		46			47			48							37	9
385	0.1163									53													49	9
399	0.1271									54														1
440	0.1589																							1
460	0.1666	56	57	58	59			60		61			62					63			64	55		1
465	0.1783																69		70				65	10
500	0.2054	71	72	73	74			75		76			77		78	79				80			81	11
540	0.2364	85		86	87					88			89			90				91			92	8
565	0.2558	94		95				96		97			98			99				100			101	8
590	0.2751	103		104				105		106			107			108				109			110	8
625	0.3023	112		113				114		115			116			117				118			119	8
690	0.3526	121		122				123		124			125			126				127			128	8
764	0.4100								130															1
780	0.4224	131		132				133		134			135			136				137			138	8
905	0.5193								140															1
928	0.5371	141		142				143		144			145			146				147			148	8
937	0.5441						150																	1
994	0.5882																							0
1070	0.6471	152		151				154		155			156			157				158			159	8
1129	0.6929								161															1
1215	0.7595	162		163				164		165	166		167	168		169				170			171	10
1300	0.8254	173		174				175		176	177		178	179		180							181	9
1318	0.8393							191		192			218	219	220	221				222				7
1350	0.8641											223	224	225	226					227				5
1375	0.8835	183		184				185		186	187		188	189		190				191			287	10
1390	0.8951					293		193																2
1430	0.9261	194		195		294		196		197	198		199	200		201				202			288	11
1455	0.9455							195		296										289			290	4
1480	0.9649	204		205		297		206		207	208		209	210		211				212				10
1524	0.9990	409	417	433																				3
1530	1.0036											216	217											2
1548	1.0176	410	418	434																				2
1580	1.0424	411	419	435																				3
1609	1.0649	412	420	436																				3
1613	1.0680																							0
LIB = 1290.3		25	10	23	7	3	1	21	3	24	5	3	22	7	1	20	1	1	1	16	1	1	19	215

Figure 3 c ; Steady State Static Pressure Tap Locations - Orbiter Fuselage List

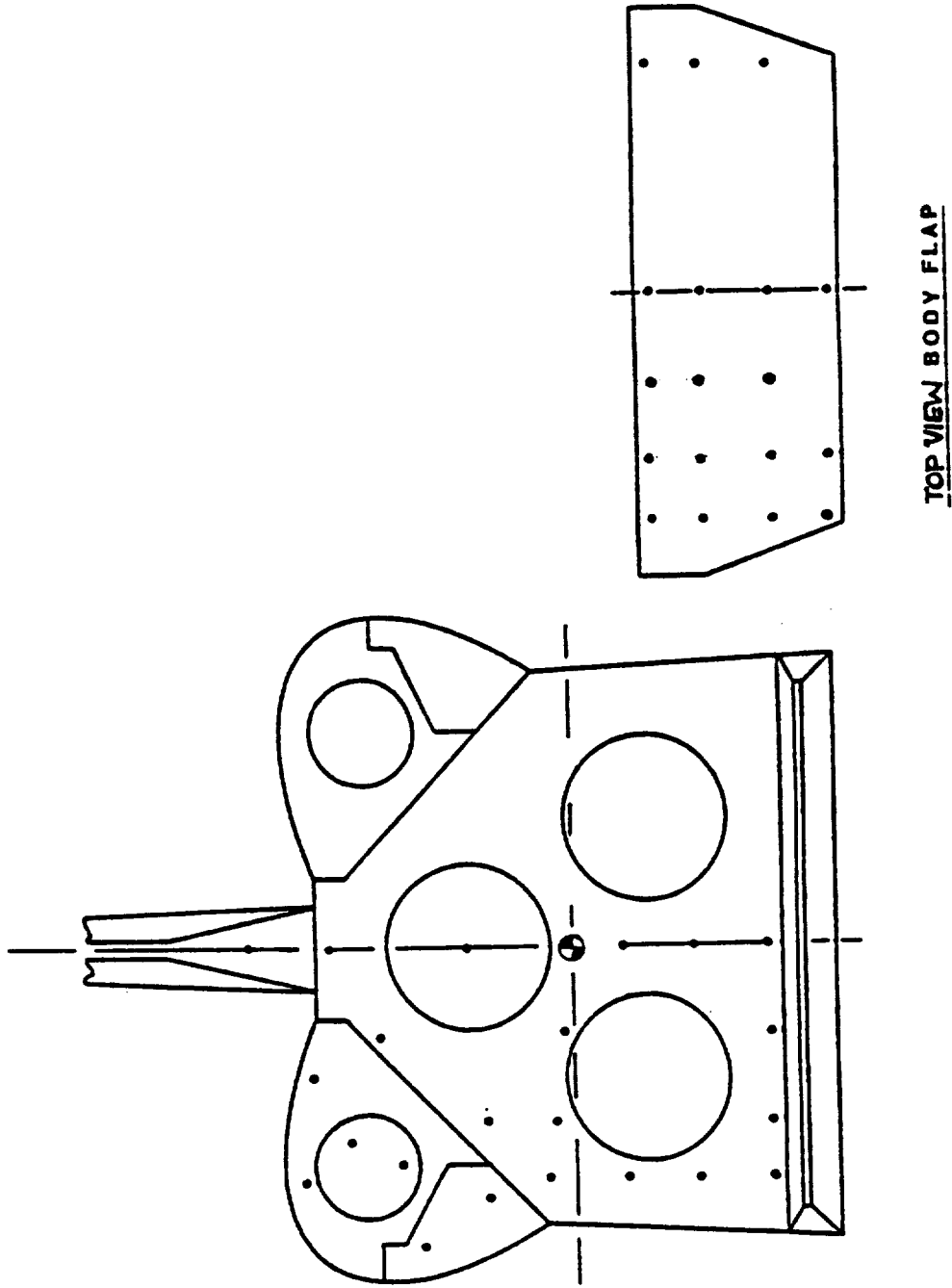


Figure 3 d ; Steady State Static Pressure Tap Locations - Orbiter Base & Body Flap Layout

BASE

TAP #	Zo	Yo	TAP#	Zo	Yo	TAP#	Zo	Yo
301	532	0	311	302	-38	321	522	-103
302	505	0	312	439	-78	322	470	-96
303	443	0	313	410	-78	323	439	-107
304	400	0	314	302	-78	324	465	-130
305	376	0	315	414	-103			
306	340	0	316	376	-103			
307	302	0	317	340	-103			
308	478	-38	318	302	-103			
309	439	-38	319	514	-55			
310	405	-38	320	492	-88			
TOTAL 24								

BODY- FLAP

η	x/C _{BF} (BOTTOM)			x/C _{BF} (TOP)		
	-.10	.20	.60 .95	-.10	.20	.60 .95
.10	401	402	403 404	405	406	407 408
.20						
.35						
.50	409	410	411 412	413	414	415 416
.65	417	418	419 420	421	422	423 424
.80	425	426	427 428	429	430	431 432
.90	433	434	435 436	437	438	439 440
TOTAL 40 TAPS						

Figure 3 e ; Steady State Static Pressure Tap Locations - Orbiter Base & Body Flap List

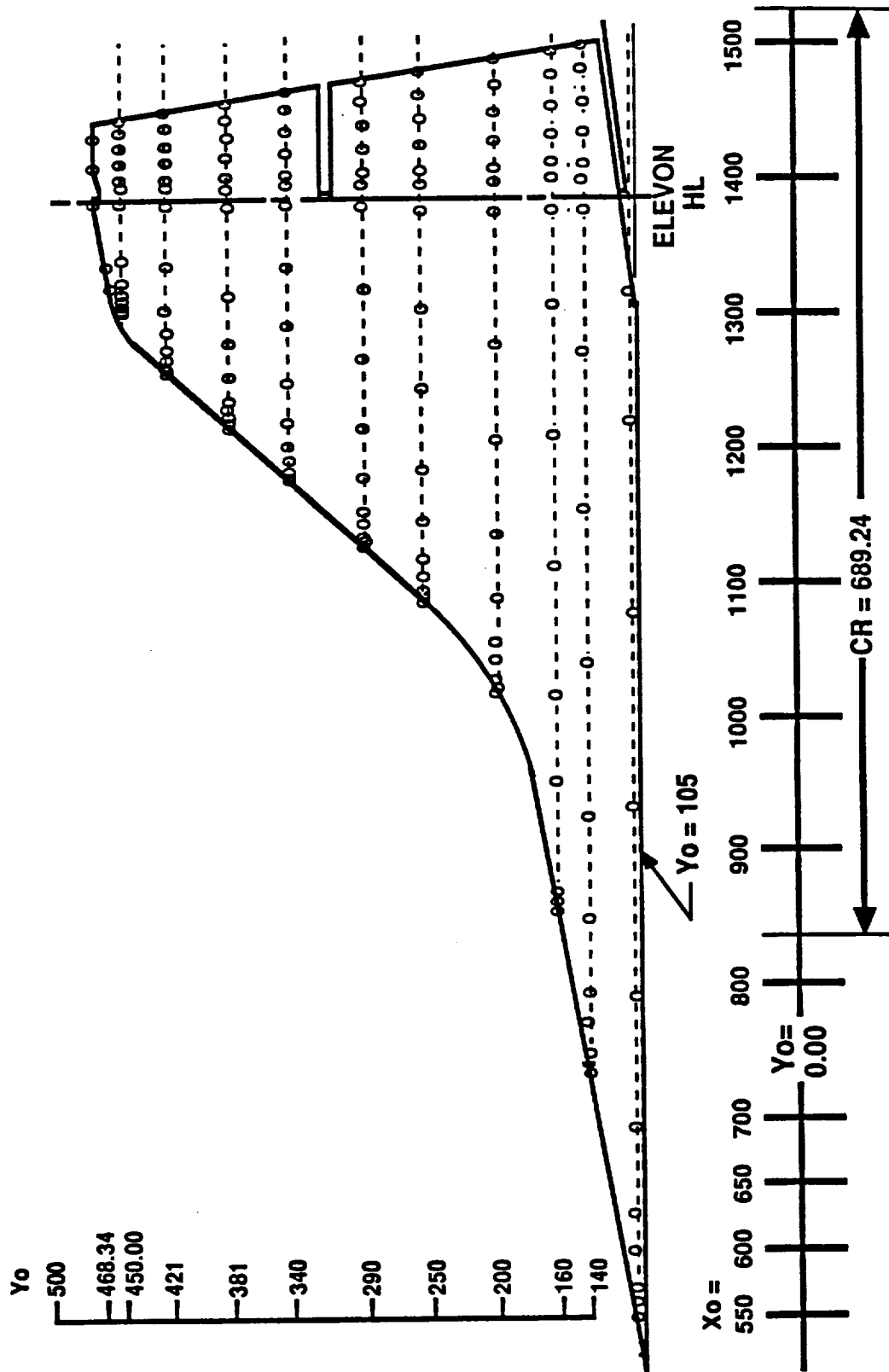


FIGURE 3f: WING - INSTRUMENTATION LAYOUT

WING:	Y(O)	ETA - Y/B	X/C												Xo	Xe/Ce								S							
			0.00	0.01	0.02	0.05	0.08	0.15	0.25	0.40	0.55	0.70	0.80	-0.10		0.10	0.20	0.40	0.60	0.80	1.00										
TOP	110	0.235	601	602	603	604	605	606	607	608	609	610	611	1360																	
BOT				612	613	614	615	616	617	618	619	620	621																		21
TOP	140	0.299	622	623	624	625	626	627	628	629	630	631		632	633	634	635	636	637	638	639										
BOT				640	641	642	643	644	645	646	647	648		649	650	651	652	653	654	655											32
TOP	160	0.342	656	657	658	659	660	661	662	663	664	665		666	667	668	669	670	671	672	673										
BOT				674	675	676	677	678	679	680	681	682		683	684	685	686	687	688	689											32
TOP	200	0.427	690	691	692	693	694	695	696	697	698		699	700	701	702	703	704	705	706											
BOT				707	708	709	710	711	712	713	714		715	716	717	718	719	720	721												30
TOP	250	0.534	722	723	724	725	726	727	728	729	730		731	732	733	734	735	736	737	738											
BOT				739	740	741	742	743	744	745	746		747	748	749	750	751	752	753												30
TOP	290	0.619	754	755	756	757	758	759	760	761	762		763	764	765	766	767	768	769	770											
BOT				771	772	773	774	775	776	777	778		779	780	781	782	783	784	785												30
TOP	340	0.726	786	787	788	789	790	791	792	793	794		795	796	797	798	799	800	801	802											
BOT				803	804	805	806	807	808	809	810		811	812	813	814	815	816	817												30
TOP	380	0.811	818	819	820	821	822	823	824	825		826	827	828	829	830	831	832	833												
BOT				834	835	836	837	838	839	840		841	842	843	844	845	846	847													28
TOP	420	0.897	848	849	850	851	852	853	854	855		856	857	858	859	860	861	862	863												
BOT				864	865	866	867	868	869	870		871	872	873	874	875	876	877													28
TOP	450	0.961	878	879	880	881	882	883	884		885	886	887	888	889	890	891	892													
BOT				893	894	895	896	897	898		899	900	901	902	903	904	905														26
TIP	468	1.000																													6
			IB = 468.34																								293				

Figure 3 g : Steady State Static Pressure Tap Locations - Wing Instrumentation List

**RUDDER
HINGELINE**

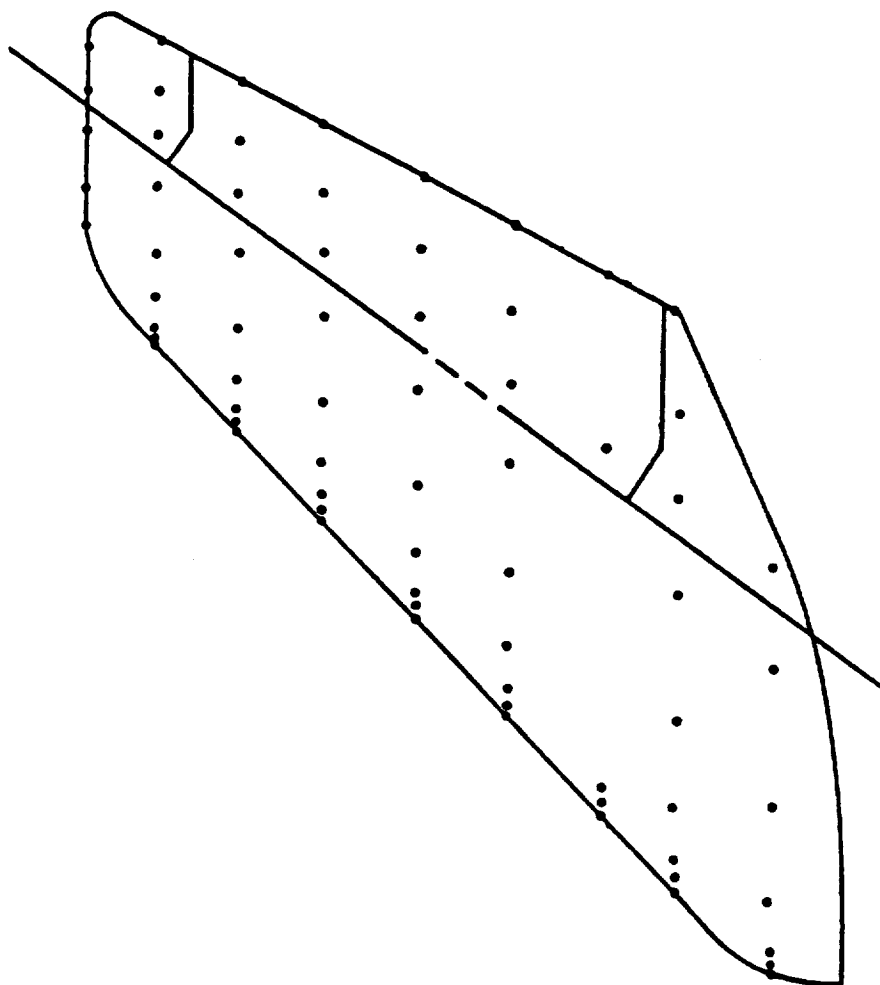


Figure 3 h ; Steady State Static Pressure Tap Locations - Vertical Tail Layout

X/C													
	ETA = Z(O) (Z-Zr)/B	0.00	0.03	0.06	0.15	0.30	0.52	0.68	0.83	1.00	S		
FIN	530 0.095	501	502	503	504	505	506	507			7		
"	570 0.222	509	510	511	512	513	514	515	516	517	9		
"	600 0.317	518	519	520	521	522	523	524	525	526	9		
"	640 0.444	527	528	529	530	531	532	533	534	535	9		
"	680 0.570	536	537	538	539	540	541	542	543	544	9		
"	720 0.697	545	546	547	548	549	550	551	552	553	9		
"	755 0.808	554	555	556	557	558	559	560	561	562	9		
"	790 0.919	563	564	565	566	567	568	569	570	571	9		
TIP:	815.6 1.000				572	573	574	575	576		5		
B = 315.6		S										75	

Figure 31 ; Steady State Static Pressure Tap Locations - Vertical Tail List

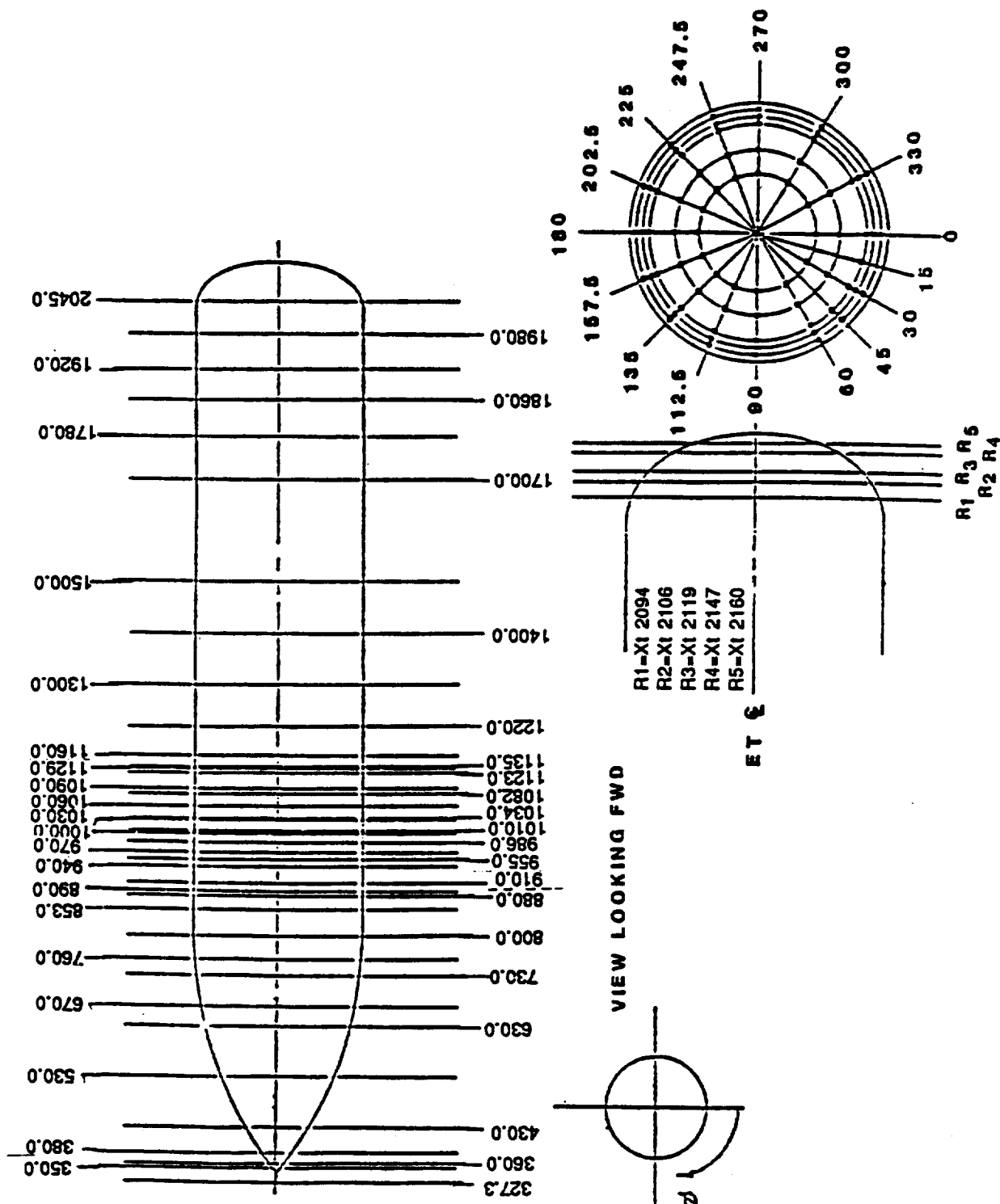


Figure 3 J : Steady State Static Pressure Tap Locations - External Tank Layout

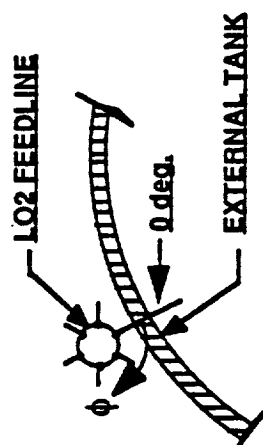
X(1)	X/L	0	2.5	5	30	45	60	85	87	90	93	95	112.5	120	127.5	135	142.5	150	157.5	165	172.5	180	187.5	195	202.5	210	217.5	225	232.5	240	247.5	255	262.5	270	277.5	285	292.5	300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
350	0.015	1008			1007				1008				1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490	1491	1492	1493	1494	1495	1496	1497	1498	1499	1500	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000

E.T. SPIKE NOSE

E.T. BASE

171-1852 525

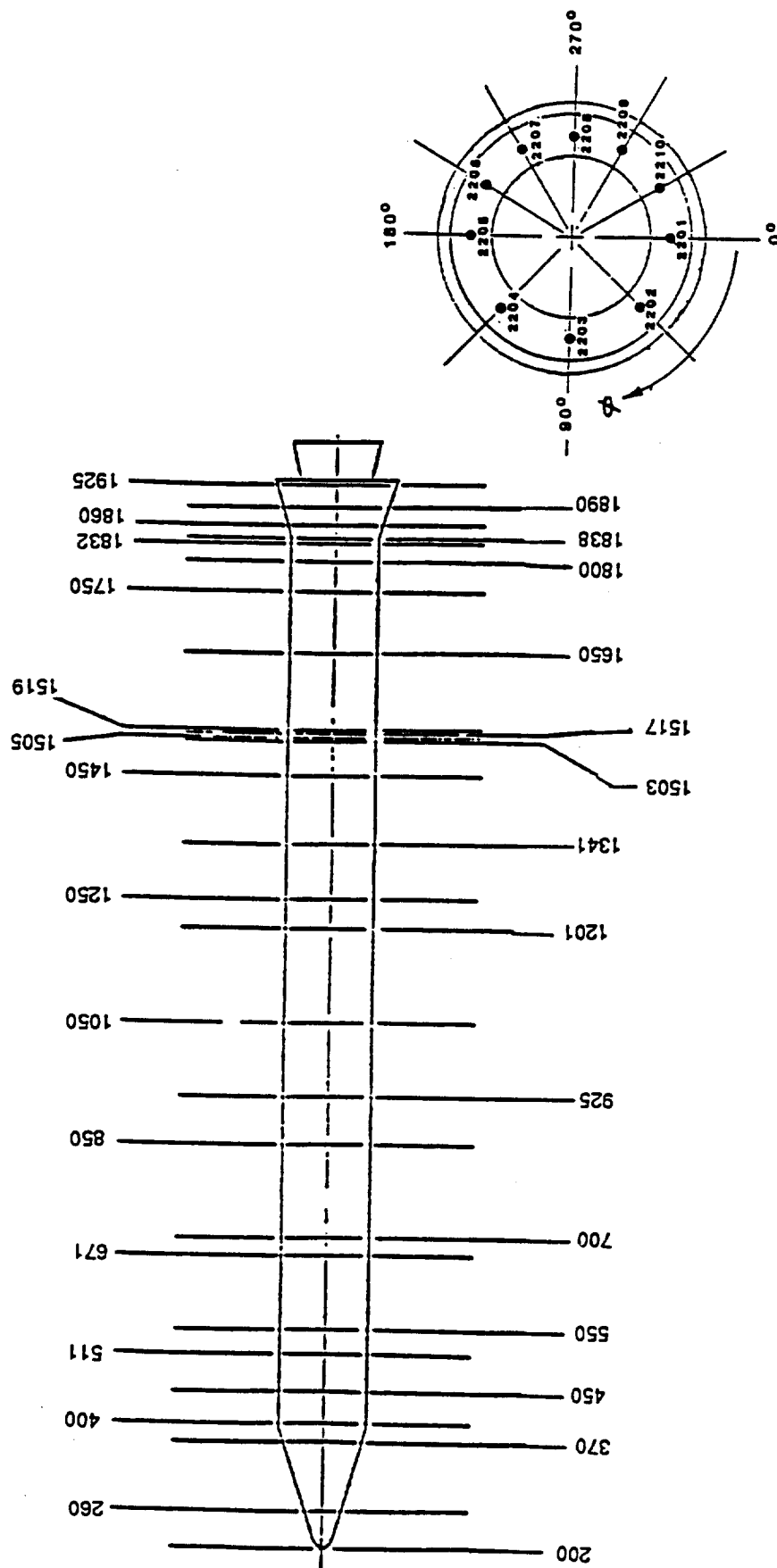
Figure 3 k : Steady State Static Pressure Tap Locations - External Tank List



TYPICAL CROSSECTION
(View Looking Aft)

E.T. STA. XT - inches	ϕ - degrees				
	0	60	120	180	300
1100	1786	1787	1782	1783	1785
1200	1792	1793	1788	1789	1791
1300	1798	1799	1794	1795	1797
1400	1804	1805	1800	1801	1803
1500	1810	1811	1806	1807	1809
1600	1816	1817	1812	1813	1815
1700	1822	1823	1818	1819	1821
1800	1828	1829	1824	1825	1827
1900	1834	1835	1830	1831	1833
2000	1840	1841	1836	1837	1837

Figure 30 : EXTERNAL TANK LO2 FEEDLINE INSTRUMENTATION



Solid Rocket Booster Base

Figure 3 m ; Steady State Static Pressure Tap Locations - Solid Rocket Booster Layout

$\phi \sim \text{degrees}$

X(I)	X/L	0	45	86	90	94	135	180	225	247.5	270	292.5	315	360	s
200	0.000	2001												2001	1
260	0.035	2002	2003				2005	2006	2007		2008		2009	2002	8
370	0.098	2010	2011		2004		2013	2014	2015		2016		2017	2010	8
400	0.116	2018	2019		2012		2021	2022	2023		2024		2025	2018	8
450	0.144	2026	2027		2020		2028	2029	2030		2031		2032	2026	7
511	0.180			2033	2306	2034									3
550	0.202	2035	2036				2037	2038	2039		2040		2041	2035	7
671	0.272			2042	2308	2043									3
700	0.289	2044	2045				2046	2047	2048		2049		2050	2044	7
850	0.376	2051	2052				2053	2054	2055		2056		2057	2051	7
926	0.420			2058	2310	2059									3
1050	0.491	2060	2061	2062	2311	2063	2064	2065	2066		2067		2068	2060	10
1201	0.578			2069	2312	2070									3
1250	0.607	2071	2072				2073	2074	2075		2076		2077	2071	7
1341	0.659			2078	2313	2079									3
1450	0.722	2080	2081				2082	2083	2084		2085		2086	2080	7
1503	0.753	2087	2088	2089	2314	2090	2091	2092	2093		2094		2095	2087	10
1505	0.754	2096	2097				2098	2099	2100		2101			2096	6
1517	0.761	2103	2104				2105	2106	2107		2108		2109	2103	7
1519	0.762					2110									1
1650	0.838	2111	2112	2113	2328	2114	2115	2116	2117		2118		2119	2111	10
1750	0.896	2120	2121				2122	2123	2124		2125		2126	2120	7
1800	0.925	2127	2128	2129	2330	2130	2131	2132	2133		2134		2135	2127	10
1832	0.943	2136	2137				2138	2139	2140		2141		2142	2136	7
1838	0.946	2143	2144				2145	2146	2147		2148		2149	2143	7
1860	0.959	2150	2151		2152		2153	2154	2155		2156		2158	2150	10
1890	0.977	2160	2161		2162		2163	2164	2165		2166		2168	2160	10
1925	0.997	2170	2171		2172		2173	2174	2175		2176		2178	2170	10
1930.6	1.000														0
L(S) = 1730.6		22	21	9	15	10	21	21	21	3	21	3	20	22	187

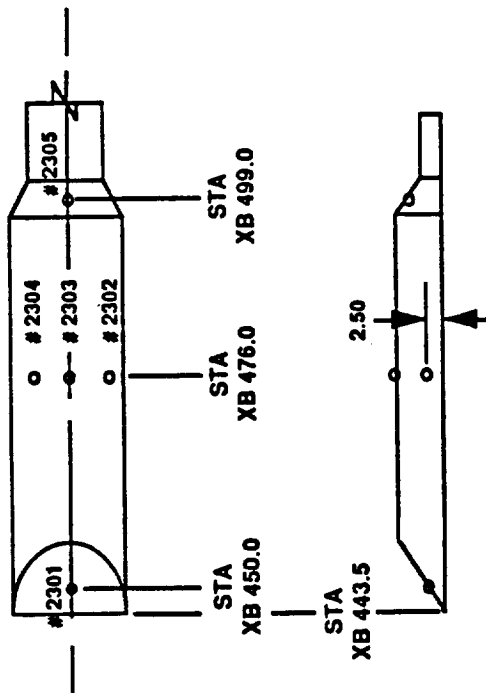
Figure 3 n ; Steady State Static Pressure Tap Locations - Solid Rocket Booster List

CENTER SECTION - SYSTEMS TUNNEL (13 TAPS)

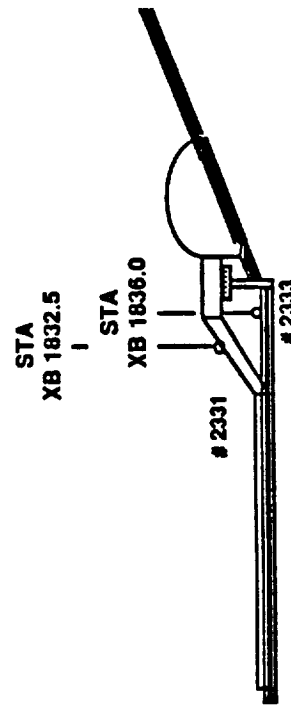
EACH TAP LOCATED ON TOP CENTERLINE @ THE FOLLOWING:

STATION	TAP NO.
XB 511	2306
XB 561	2307
XB 671	2308
XB 811	2309
XB 926	2310
XB 1051	2311
XB 1201	2312
XB 1341	2313
XB 1503	2314
XB 1591	2327
XB 1650	2328
XB 1726	2329
XB 1800	2330

FORWARD FAIRING - SYSTEMS TUNNEL (5 TAPS)



AFT FAIRING - SYSTEMS TUNNEL (2 TAPS)



TOTAL 20 TAPS

Figure 3 o ; Steady State Static Pressure Tap Locations - SRB Systems Tunnel

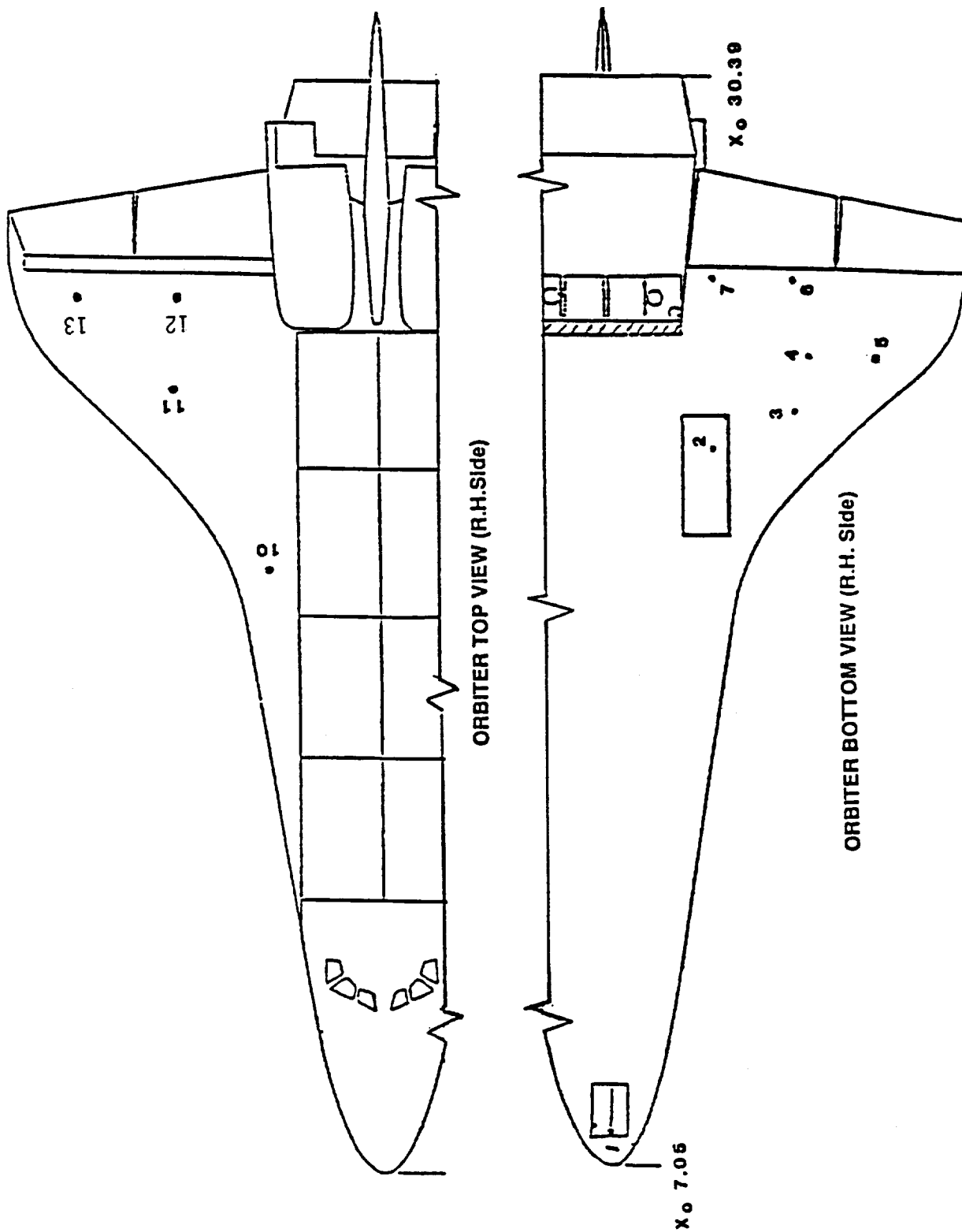


Figure 4 a ; Dynamic (KULITE) Pressure Tap Locations - Orbiter Fuselage Layout

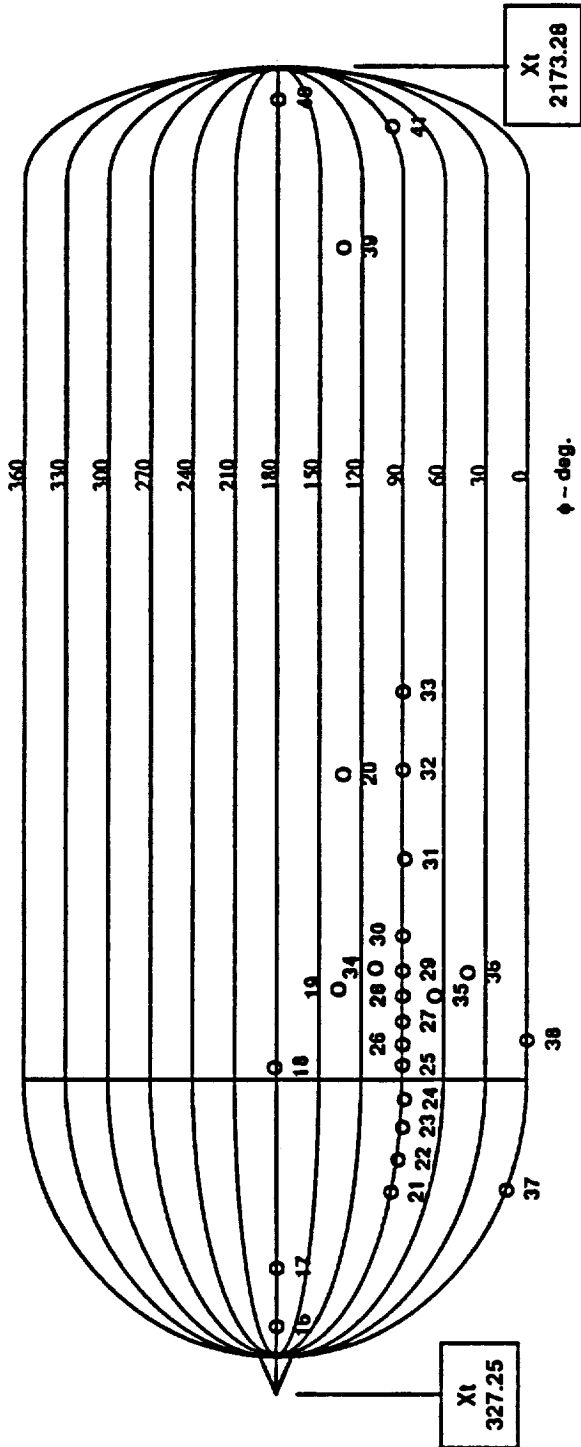
ORBITER KULITE LOCATIONS

ORBITER STATIONS			(MSID)	KULITE #
Xo	Yo	Zo		
279	0	BOT	1	1
1150	-150	BOT	35	2
1200	-250	BOT	39	3
1280	-250	BOT	53	4
1280	-370	BOT	55	5
1370	-150	BOT	58	6
1370	-250	BOT	60	7
540	-105*	380 in.	87	8
600	-105*	380 in.	96	9
1000	-140	TOP	114	10
1220	-260	TOP	116	11
1340	-260	TOP	118	12
1340	-380	TOP	119	13
785	-105*	386 in.	144	14
380	- 75*	360 in.	151	15

* - Fus. Side

TOTAL 15 KULITES

FIGURE 4b : ORBITER KULITE INSTRUMENTATION LOCATIONS



E.T. STA. X_1	ϕ Deg.	Kulite No.	(MSID)	E.T. STA. X_1	ϕ Deg.	Kulite No.	(MSID)
371	180	16	(2)	940	92	29	(33)
500	180	17	(4)	955	88.5	30	(34)
820	180	18	(8)	1050	92	31	(35)
940	137	19	(21)	1140	90	32	(36)
1146	135	20	(22)	1220	92	33	(37)
660	90	21	(25)	940	110	34	(38)
700	90	22	(26)	940	68	35	(39)
740	90	23	(27)	940	45	36	(40)
780	90	24	(28)	660	0	37	(41)
820	90	25	(29)	820	0	38	(43)
860	90	26	(30)	1853	135	39	(59)
900	92	27	(31)	2150	180	40	(61)
920	92	28	(32)	2050	90	41	(63)

TOTAL 26 KULITES

Figure 4c ; External Tank Kulite Locations



Note : R&A Indicate Kultles on both the RSRM and ASRM Interchangeable shells

Figure 4 d ; Solid Rocket Booster Kulite Locations

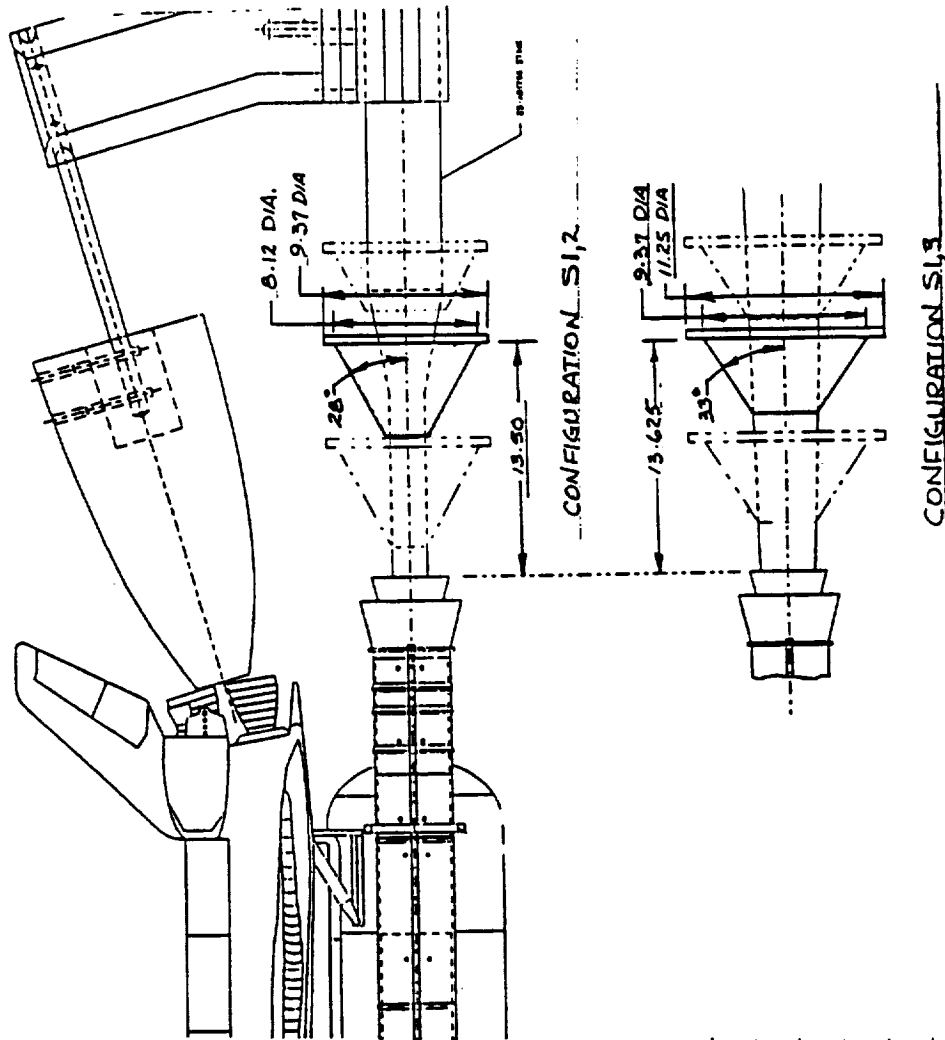
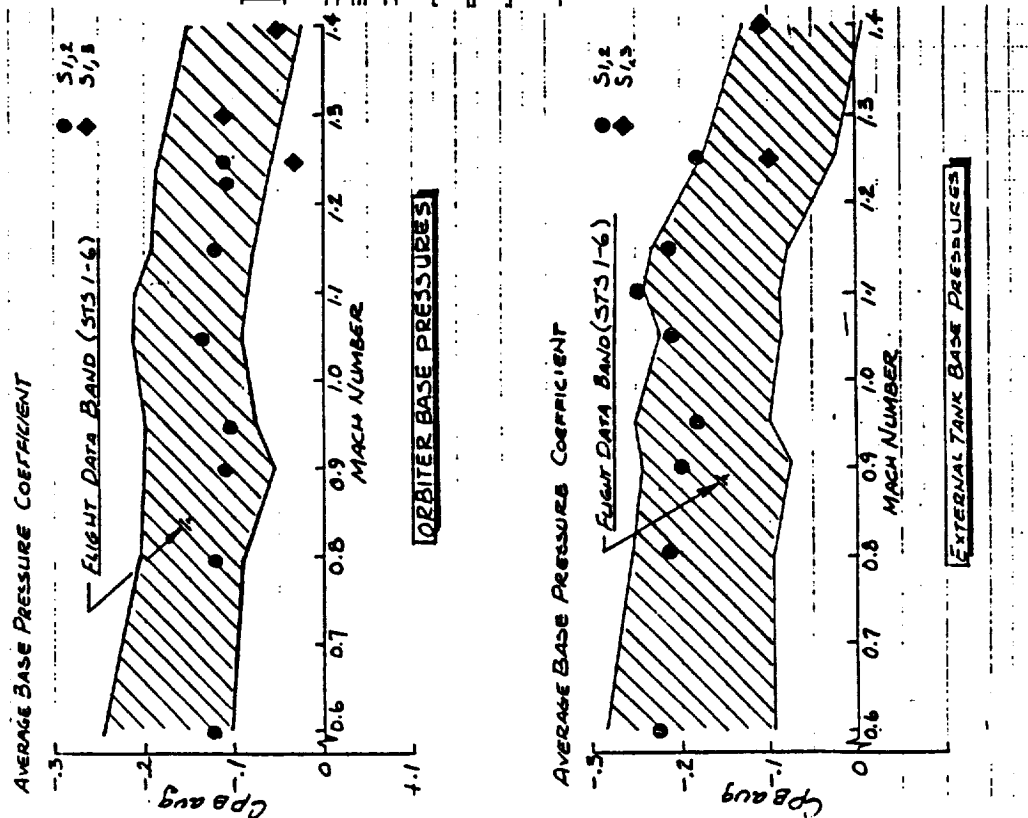


Figure 5 ; Selected Solid Plume Configuration & Base Pressure Match

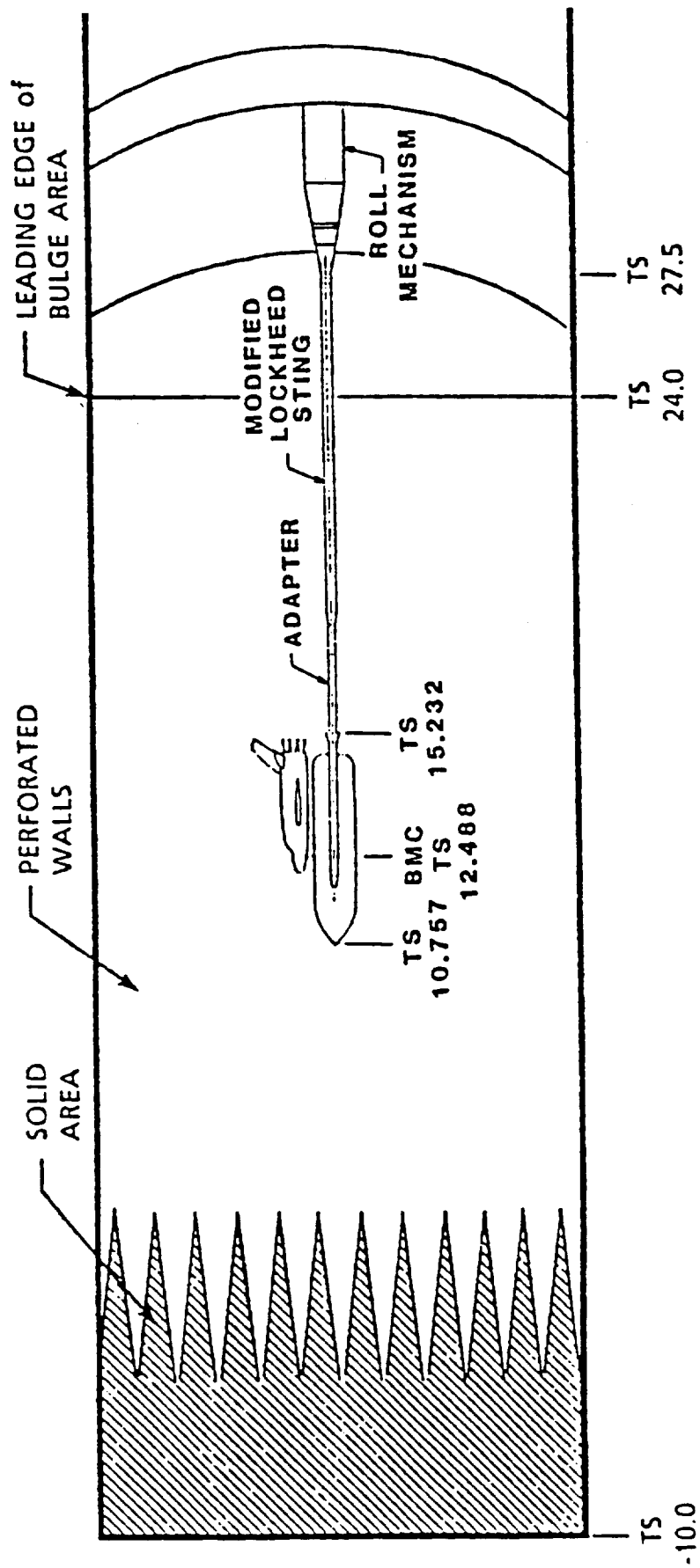


Figure 6 ; Model Installation in the AEDC 16'T Wind Tunnel

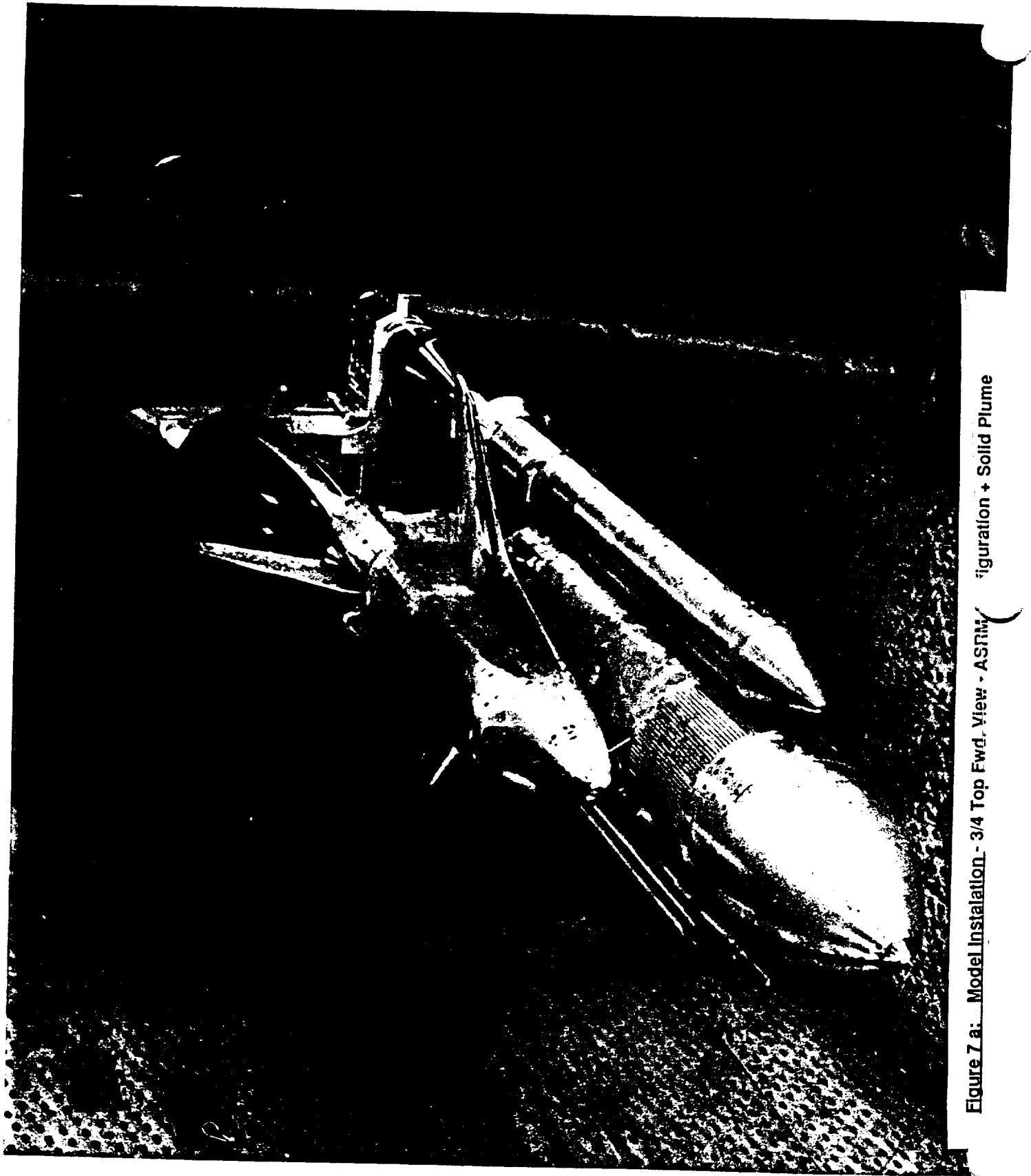


Figure 7 a: Model Installation - 3/4 Top Fwd. View - ASRM Configuration + Solid Plume

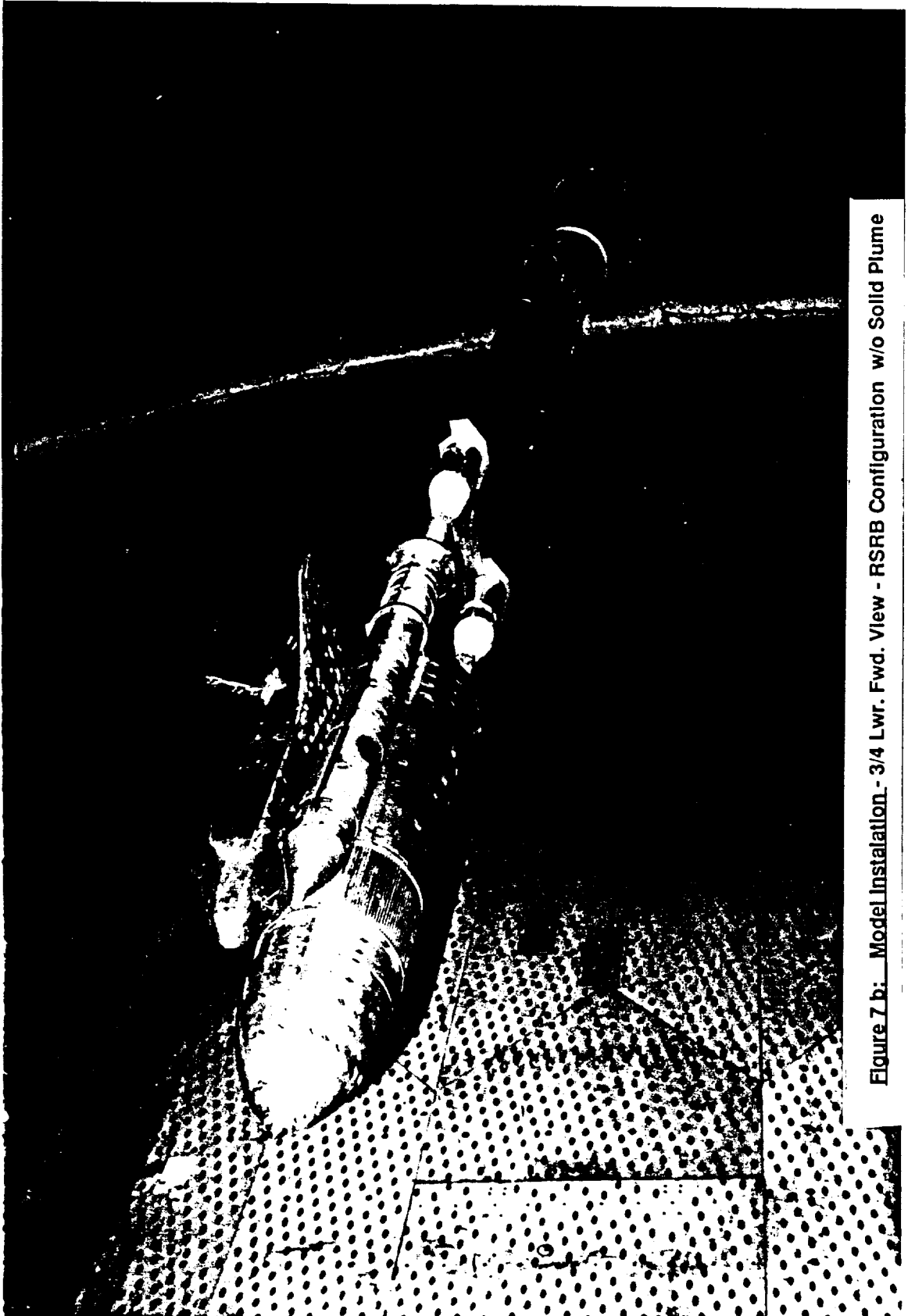


Figure 7 b: Model Installation - 3/4 Lwr. Fwd. View - RSRB Configuration w/o Solid Plume

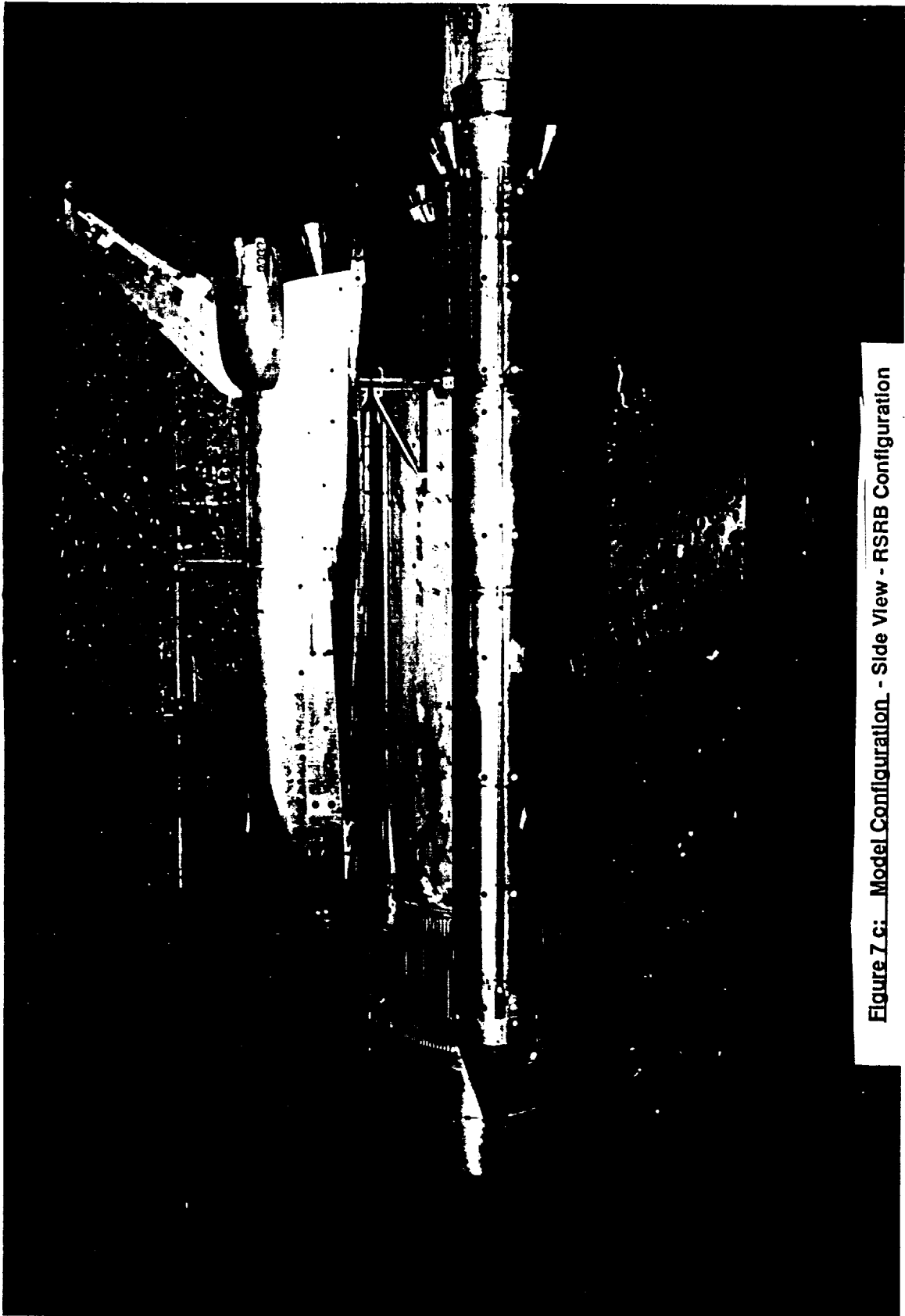


Figure 7 c: Model Configuration - Side View - RSRB Configuration

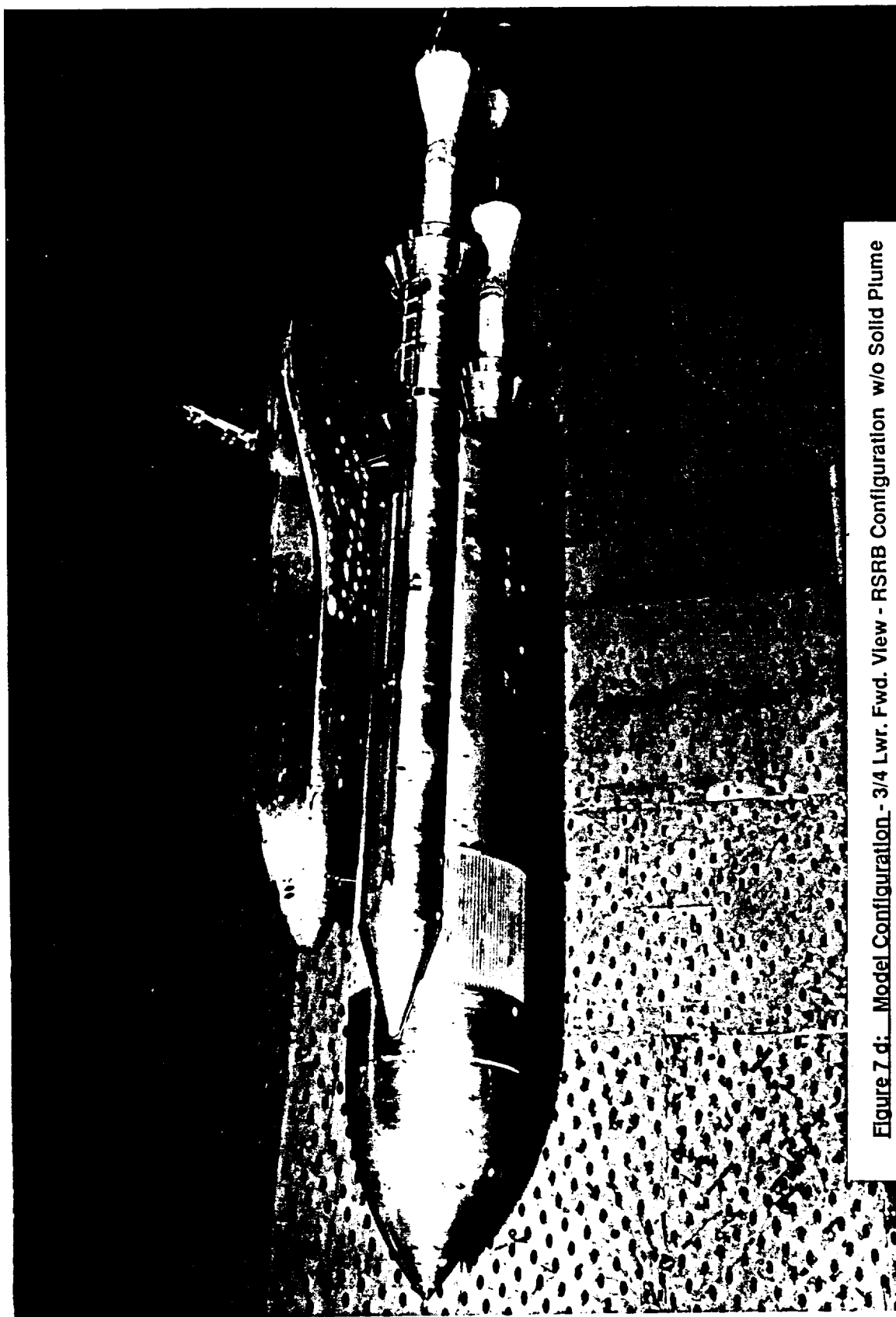


Figure 7.d: Model Configuration - 3/4 Lwr. Fwd. View - RSRB Configuration w/o Solid Plume

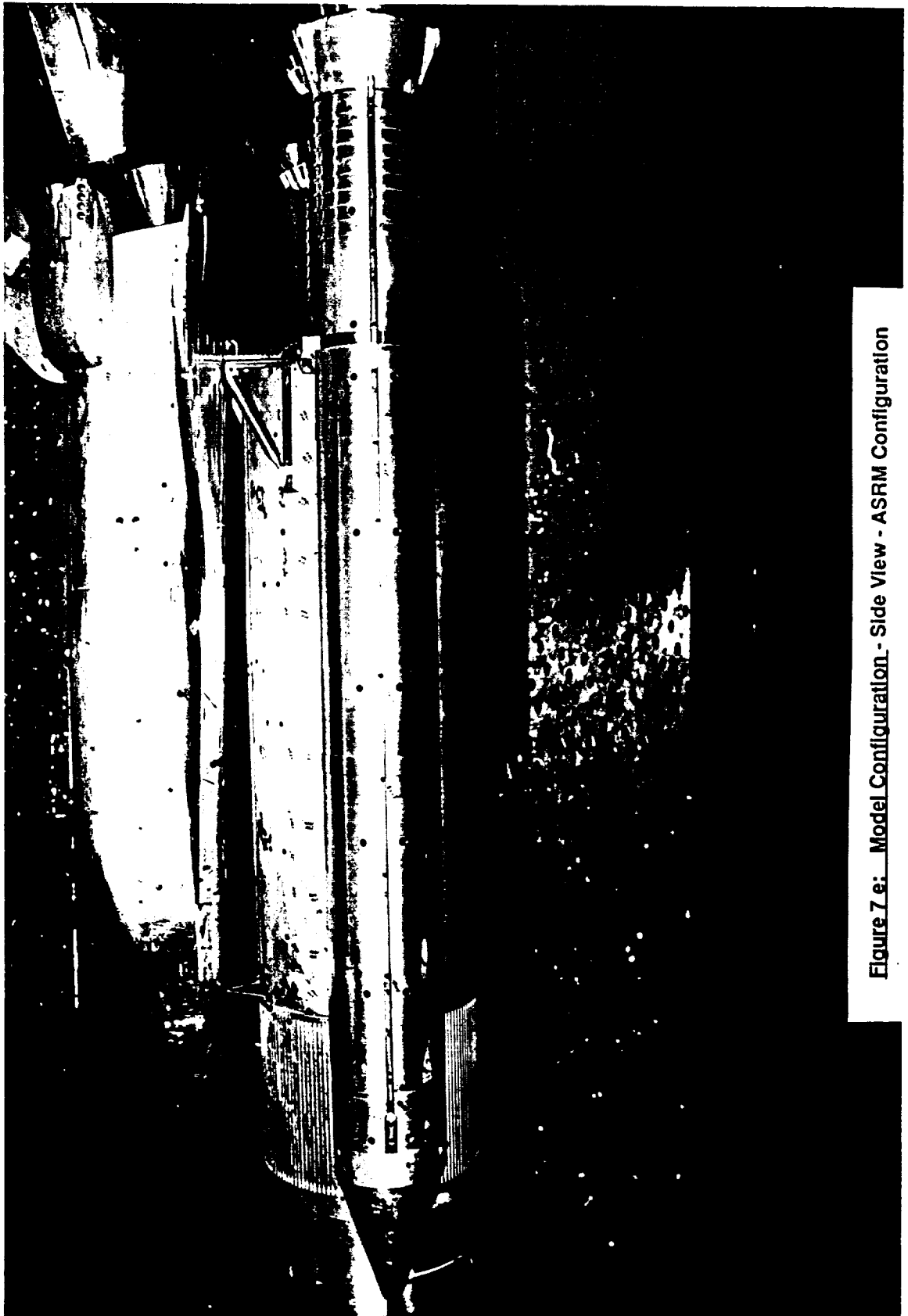


Figure 7 e: Model Configuration - Side View - ASRM Configuration

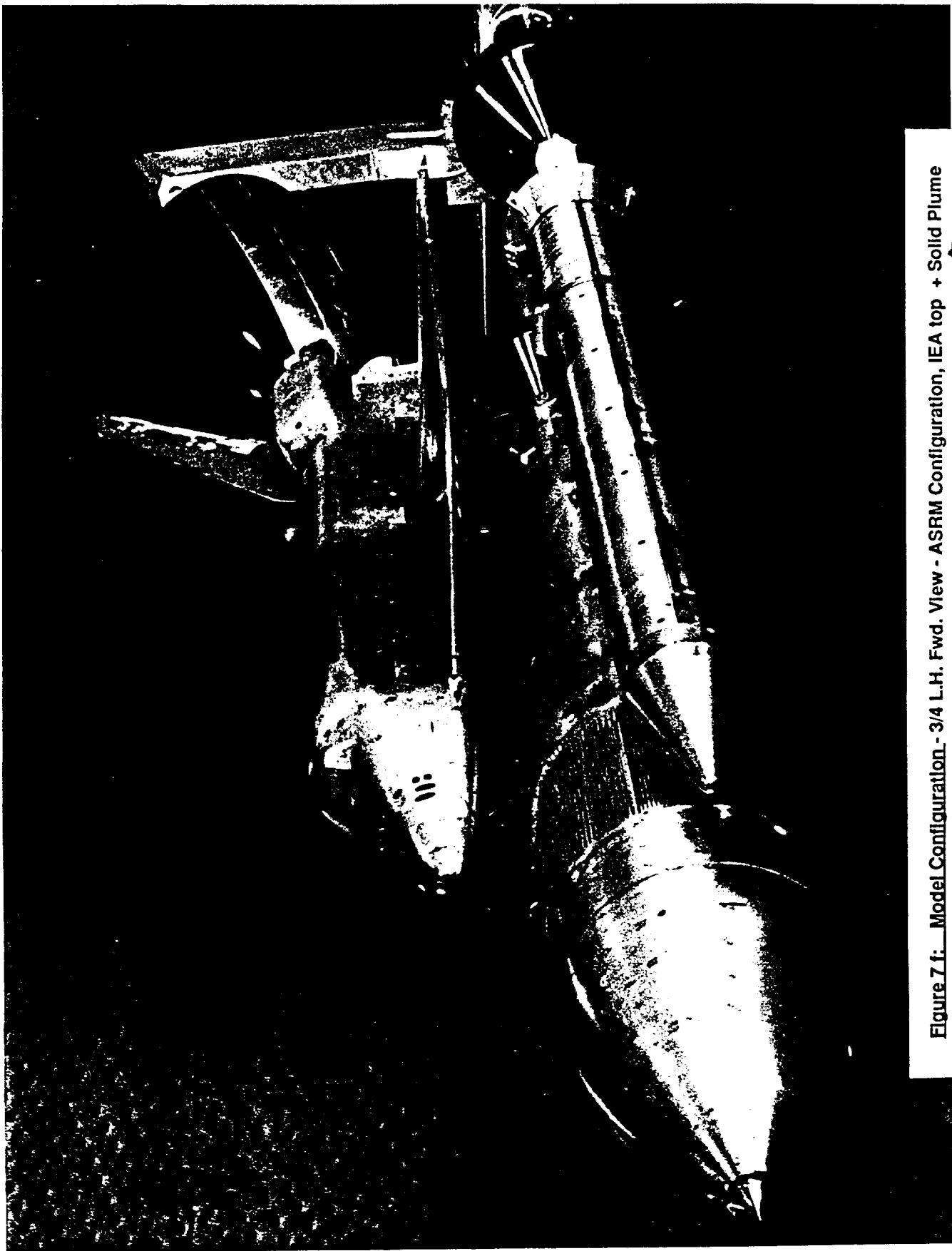


Figure 7 f: Model Configuration - 3/4 L.H. Fwd. View - ASRM Configuration, IEA top + Solid Plume



Figure 7 g: Model Configuration - 3/4 R.H. Fwd. Cld View - ASRM Configuration, IEA Top

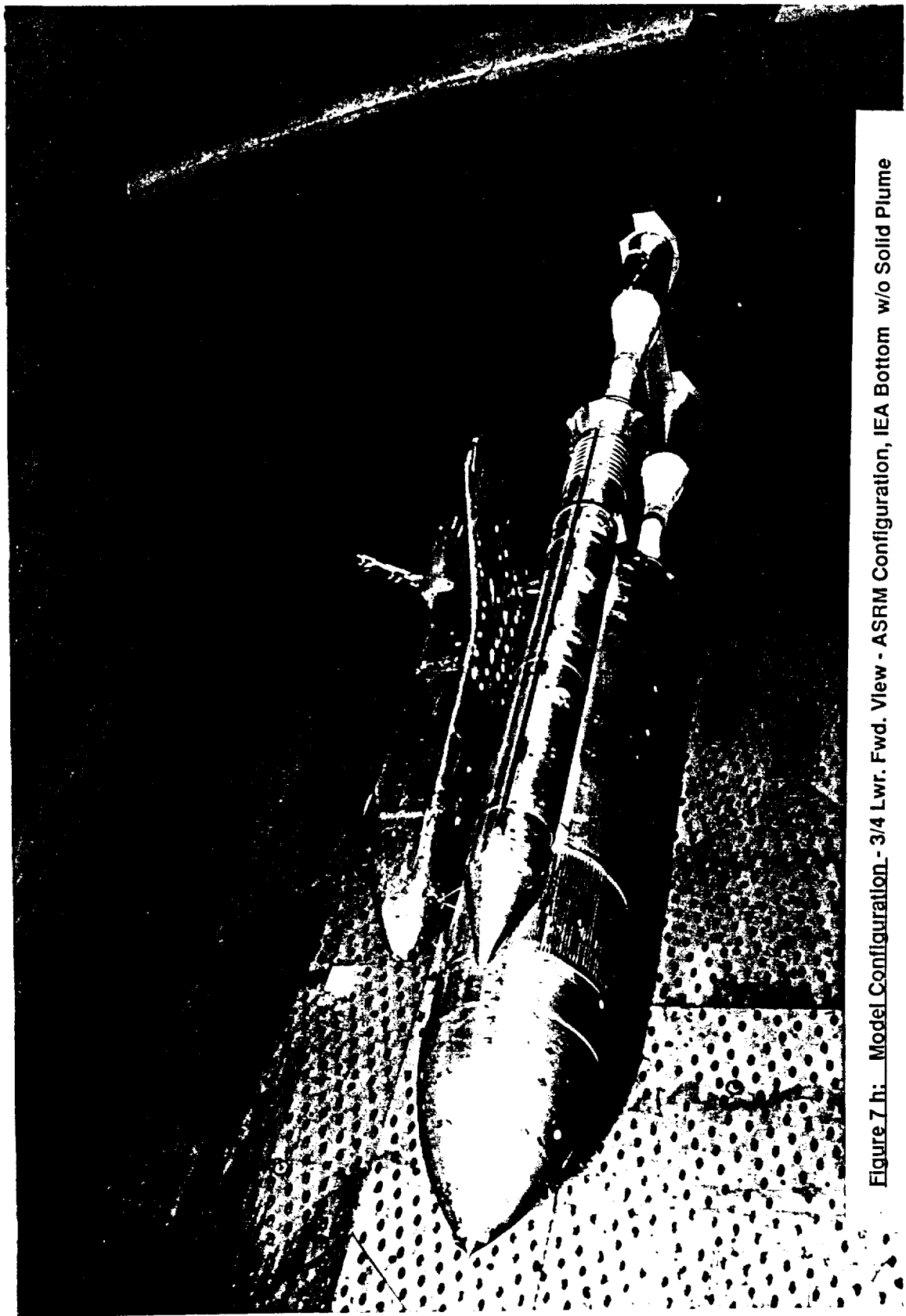


Figure 7 h: Model Configuration - 3/4 Lwr. View - ASRM Configuration, IEA Bottom w/o Solid Plume



Figure 7 i: Model Configuration - CloseupView - ASRM Configuration, IEA Bottom w/o Solid Plume

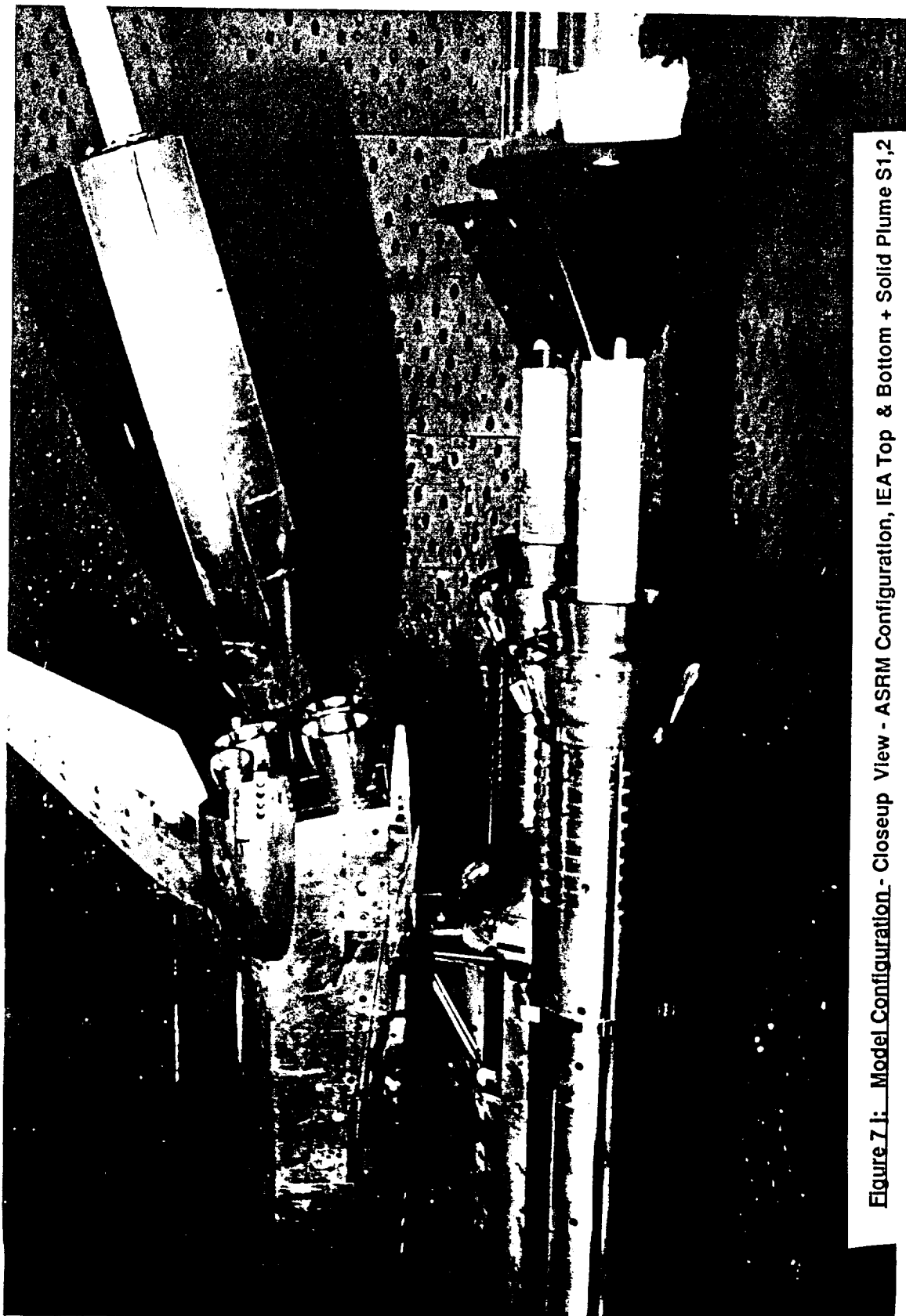


Figure 7 i: Model Configuration - Closeup View - ASRM Configuration, IEA Top & Bottom + Solid Plume S1,2



Figure 7 k: Model Configuration - 3/4 Lwr. Fwd. View - ASRM Configuration, IEA Top & Bottom + Solid Plume



Figure 7.1: Model Configuration - 3/4 Fwd. View - Mirror Image ET LO2 Feedline Configuration, ASRM w IEA top

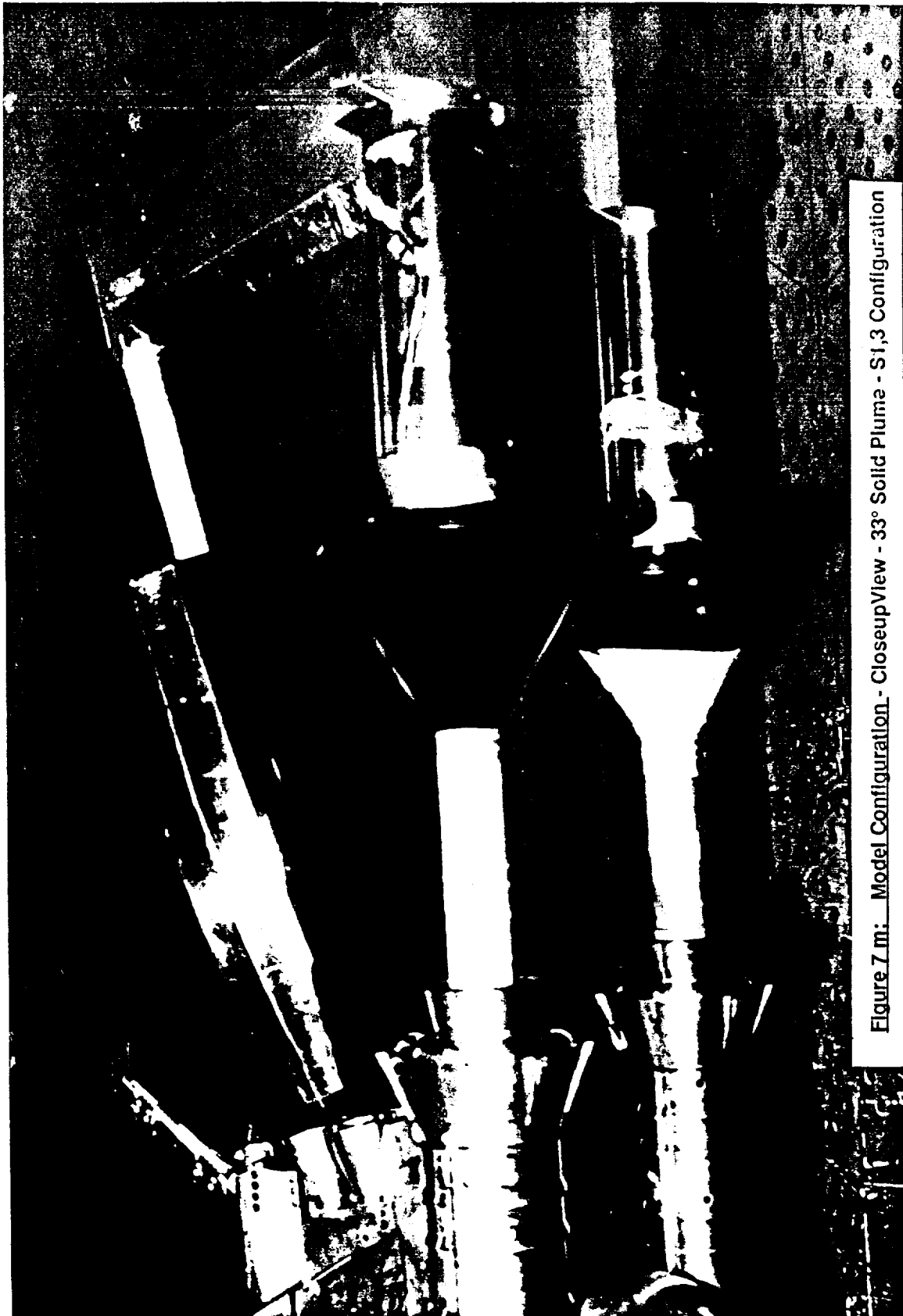


Figure 7 m: Model Configuration - CloseupView - 33° Solid Plume - S1,3 Configuration

DATA FIGURES
(FORCE)

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DATA SFT SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0001	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.500	TOP	10.000	9.000
RC0001	IA613A1AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0015	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	.600	TOP	10.000	9.000
XC0007	IA613A1AEDC 161F-829) OT(1000R OFF) + RSRM + S1.2	.600	TOP	10.000	5.000
RC0042	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000

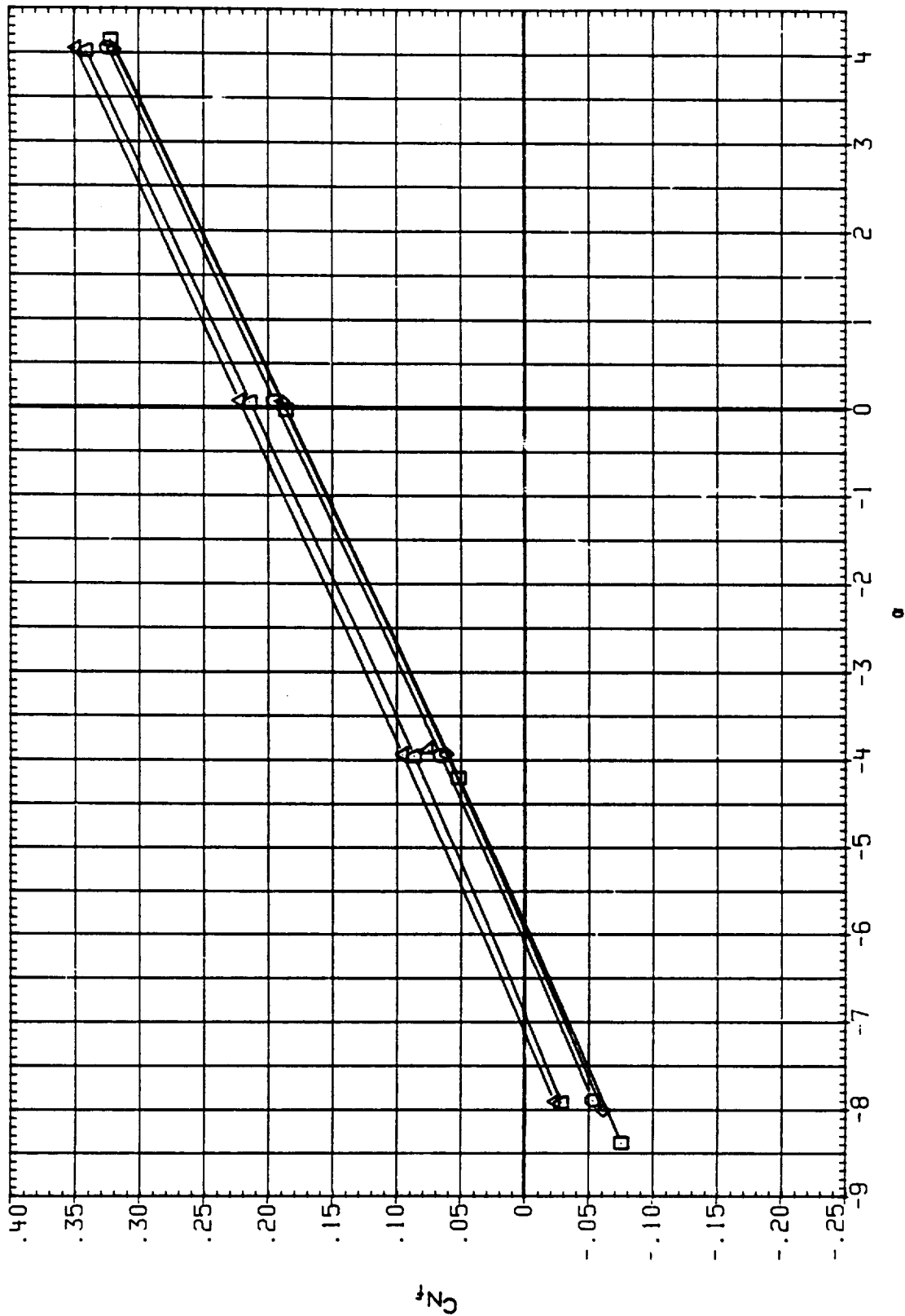


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

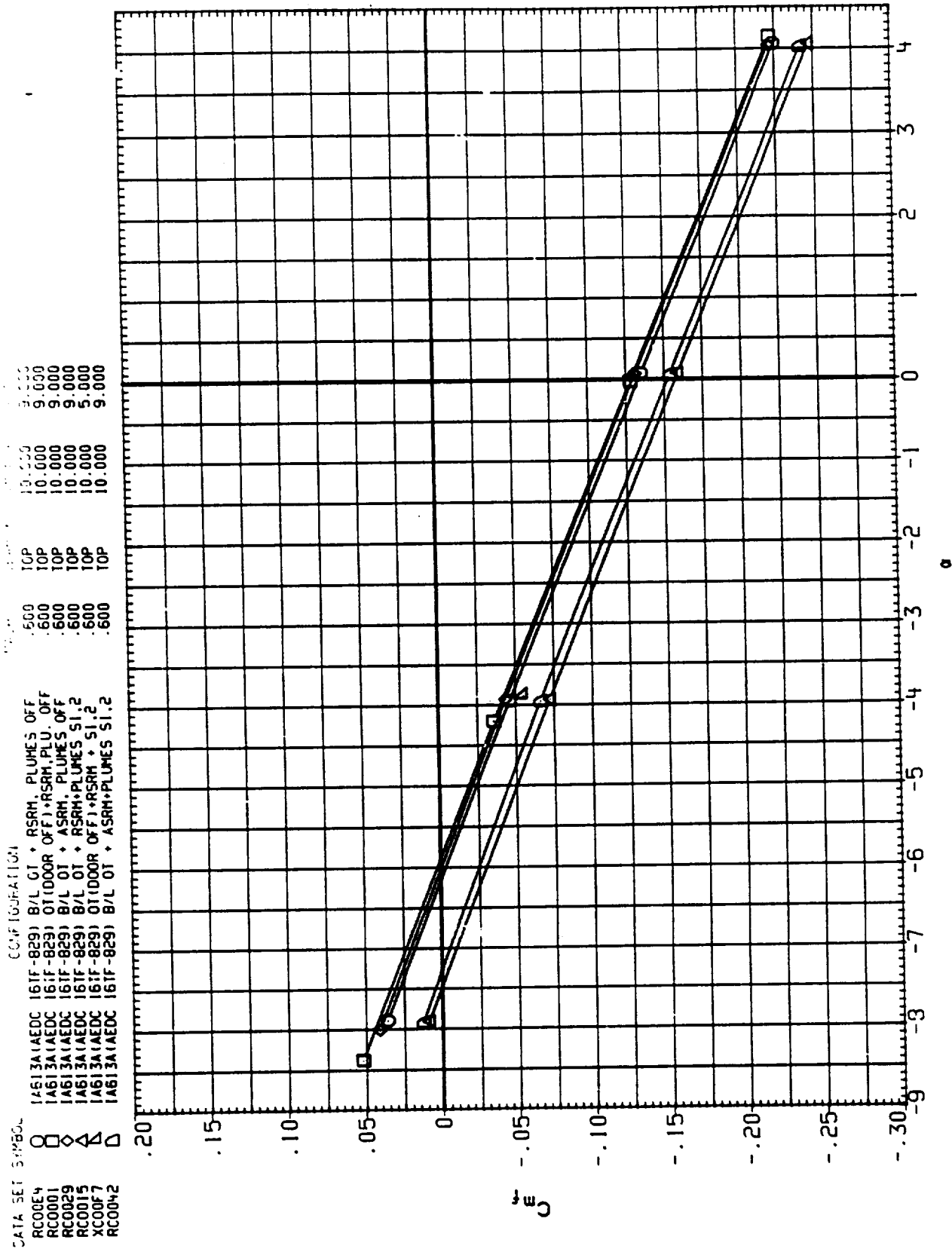


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	18-20	19-20
RC0004	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	9.000
RC0001	◇	IA613A1AEDC 161F-829) OT(GCOR OFF)+RSRM, PLU. OFF	.600	TOP	9.000
RC0029	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	9.000
RC0015	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	9.000
XC0007	△	IA613A1AEDC 161F-829) OT(1000R OFF)+RSRM + S1.2	.600	TOP	9.000
RC0042	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	9.000

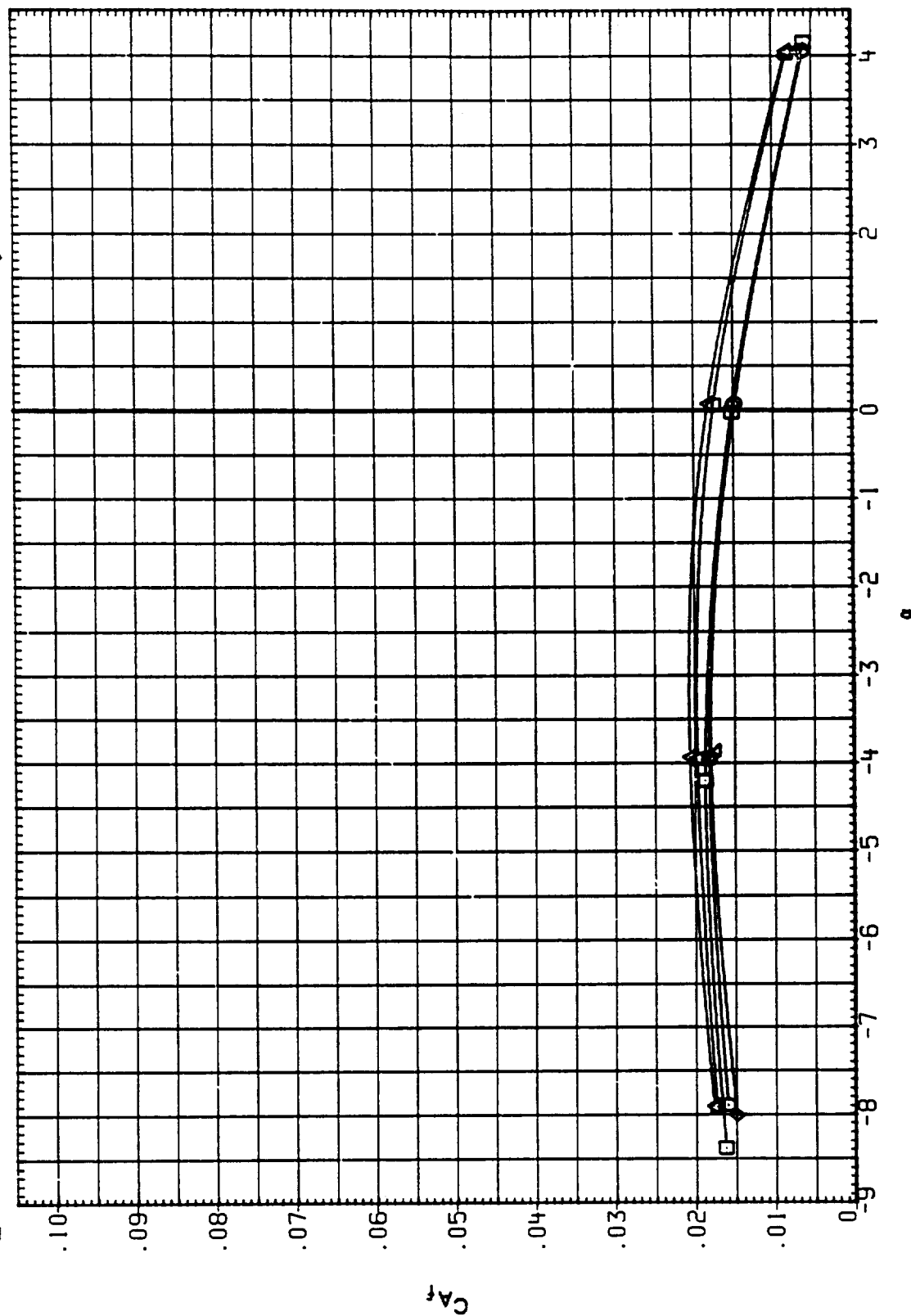


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

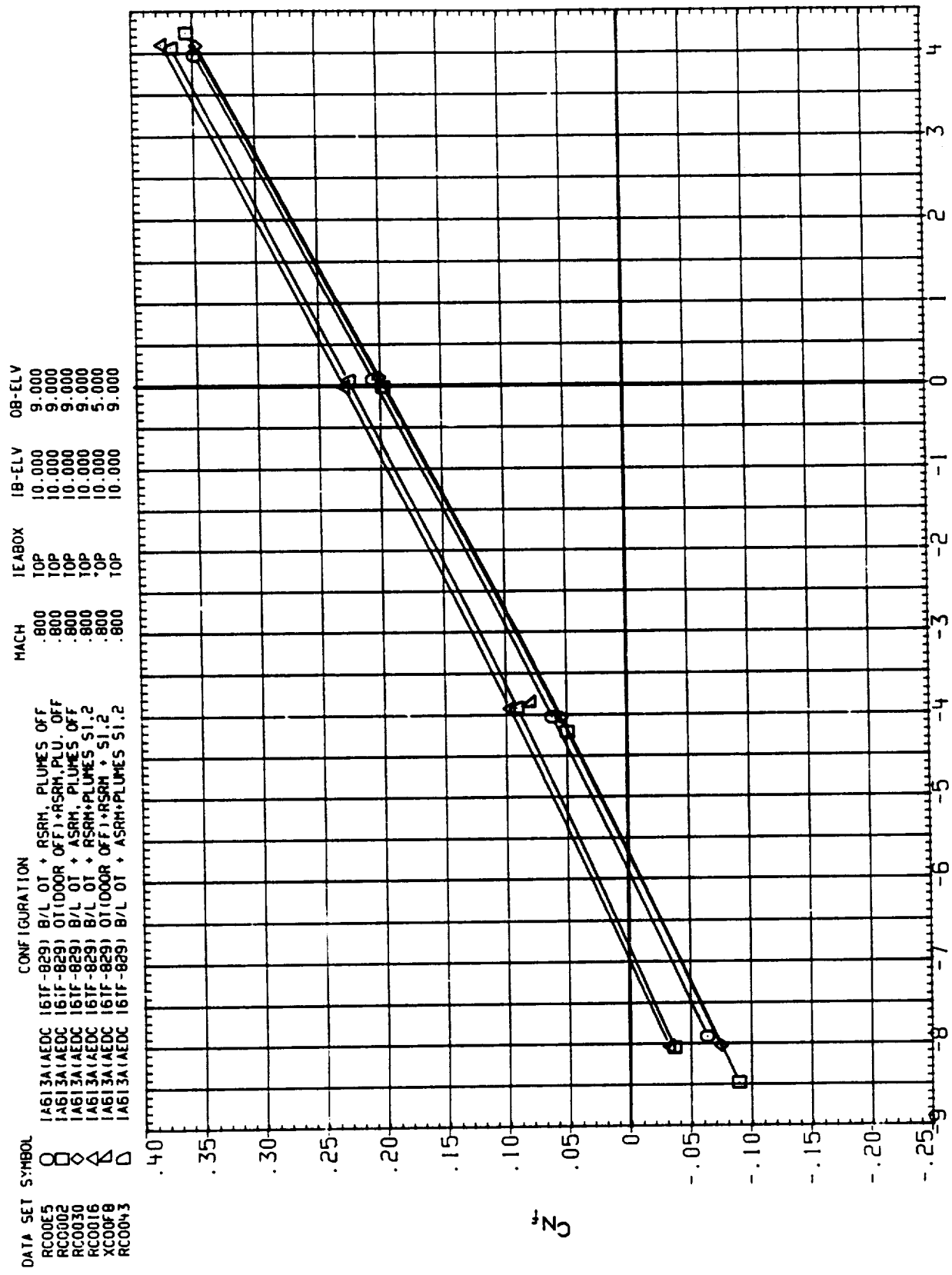


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

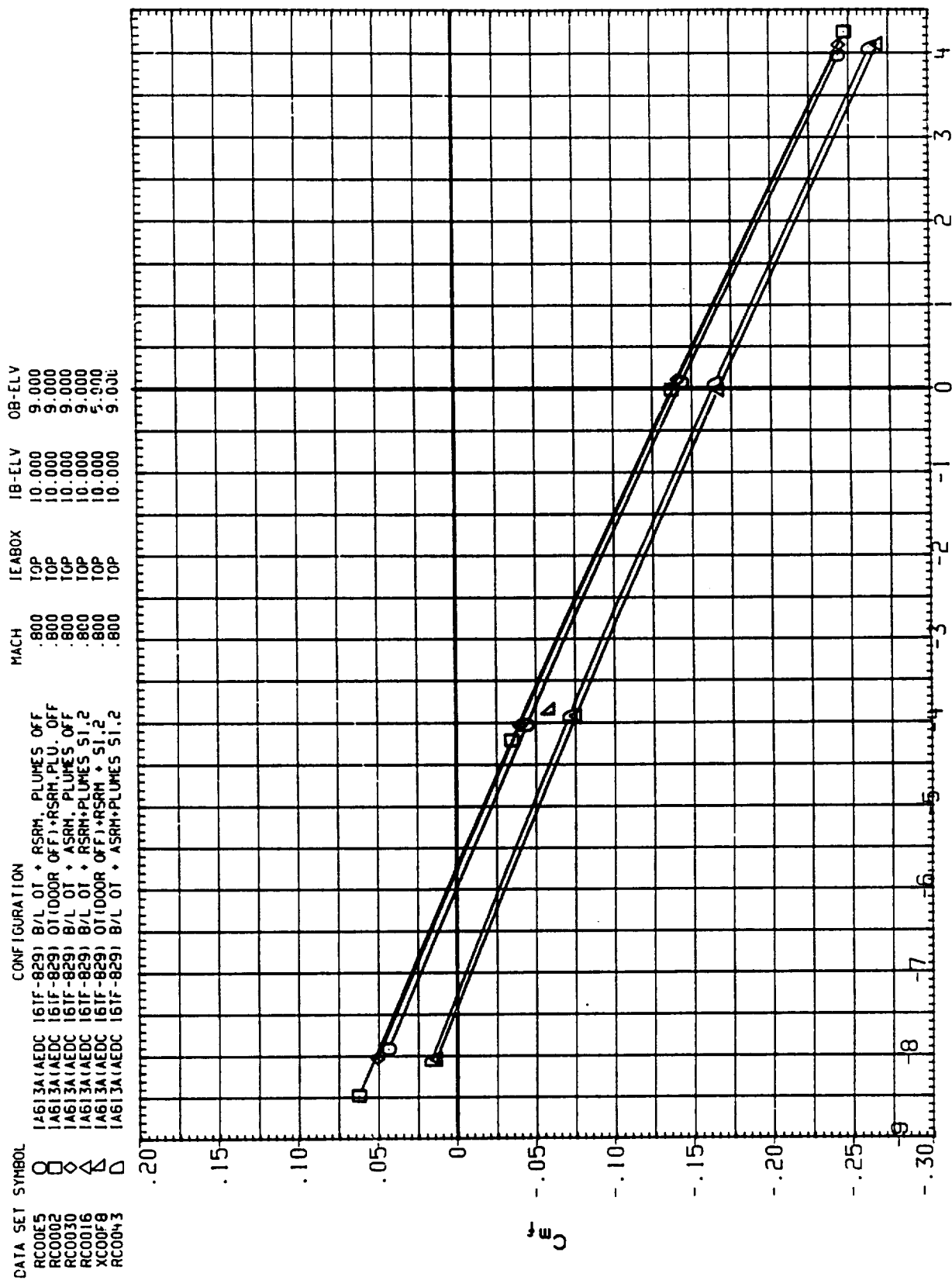


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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OF POOR QUALITY

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CS-ELV
RC0005	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	◇	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	▽	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES SI.2	.800	TOP	10.000	9.000
XC000F8	△	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM + SI.2	.800	TOP	10.000	9.000
RC00043	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.2	.800	TOP	10.000	9.000

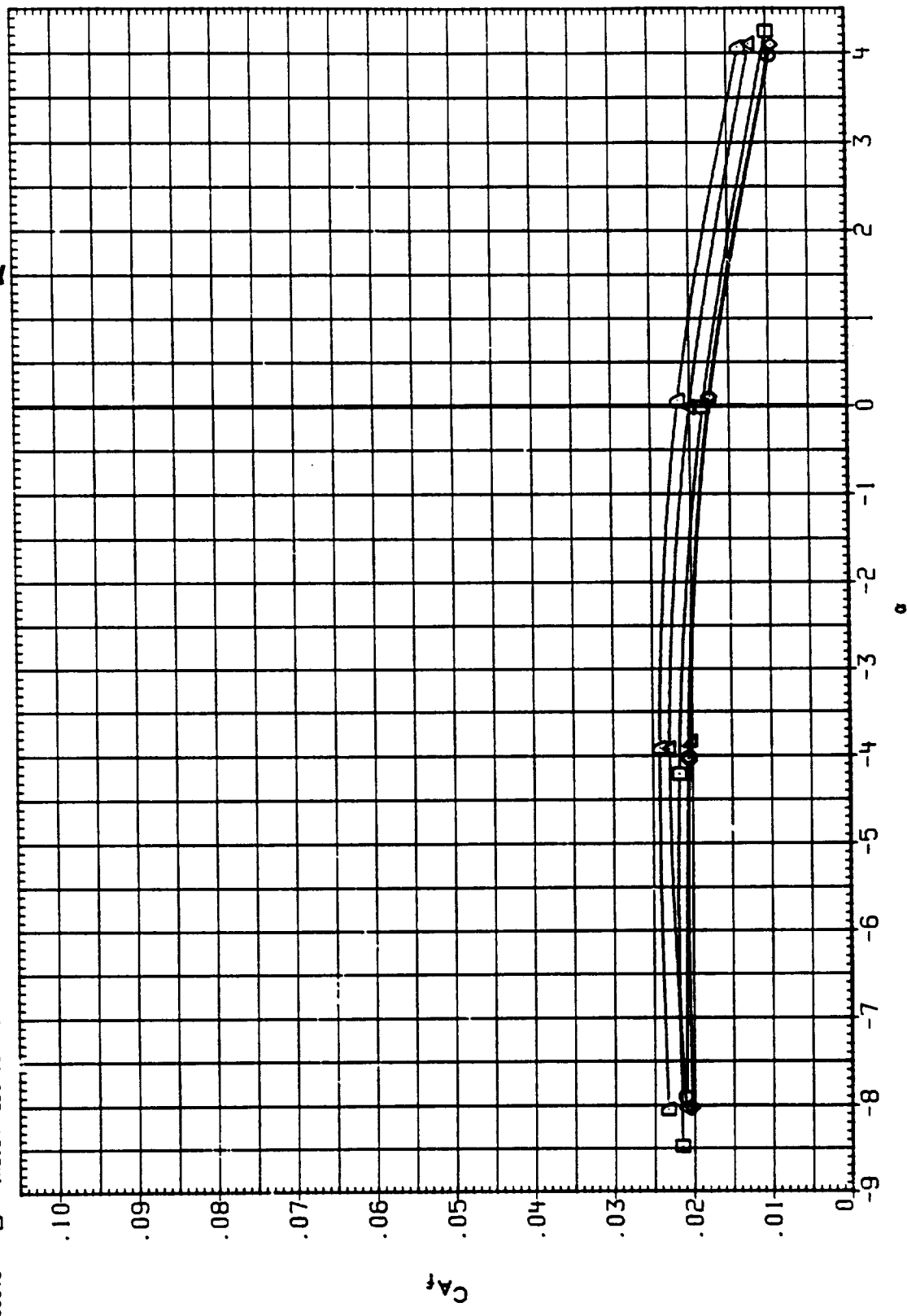


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0006	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
XC00F9	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM + S1.2	.900	TOP	10.000	5.000
RC0044	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

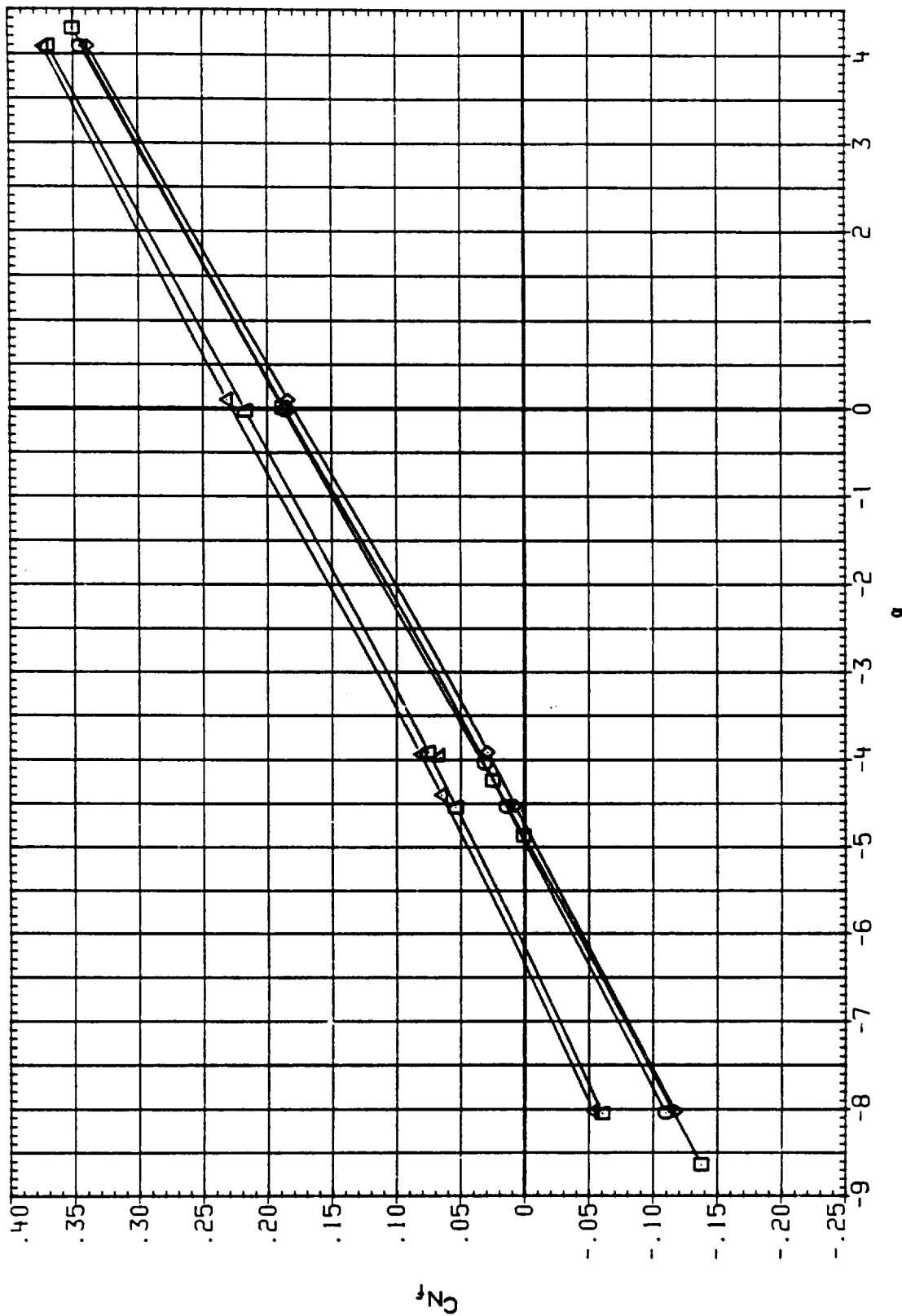


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ELV	OB-ELV
RC0006	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	9.000
RC0003	IA613A1AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	.900	TOP	9.000
RC0031	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	9.000
RC0017	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	9.000
XC00F9	IA613A1AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2	.900	TOP	5.000
RC0044	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	9.000

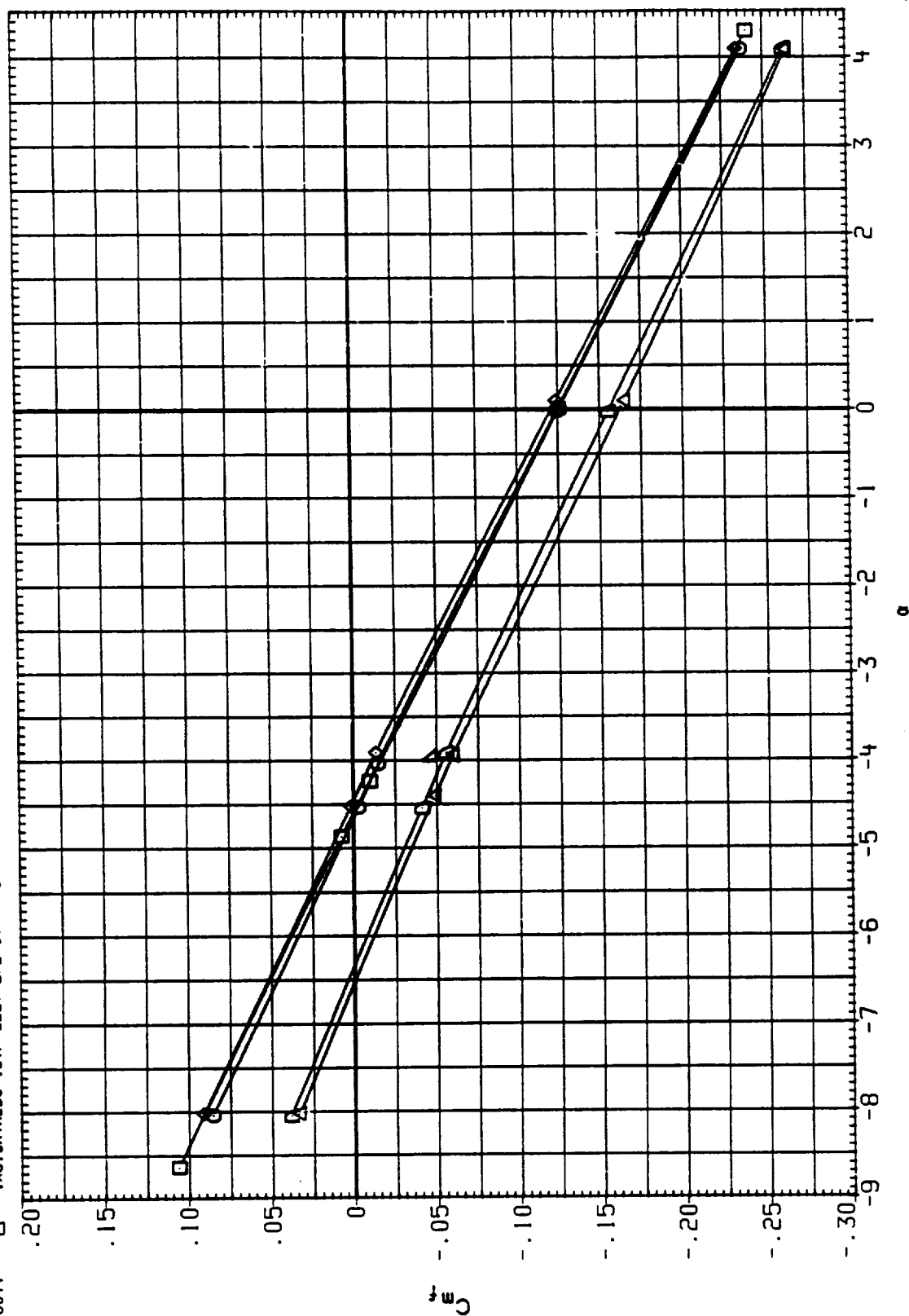


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

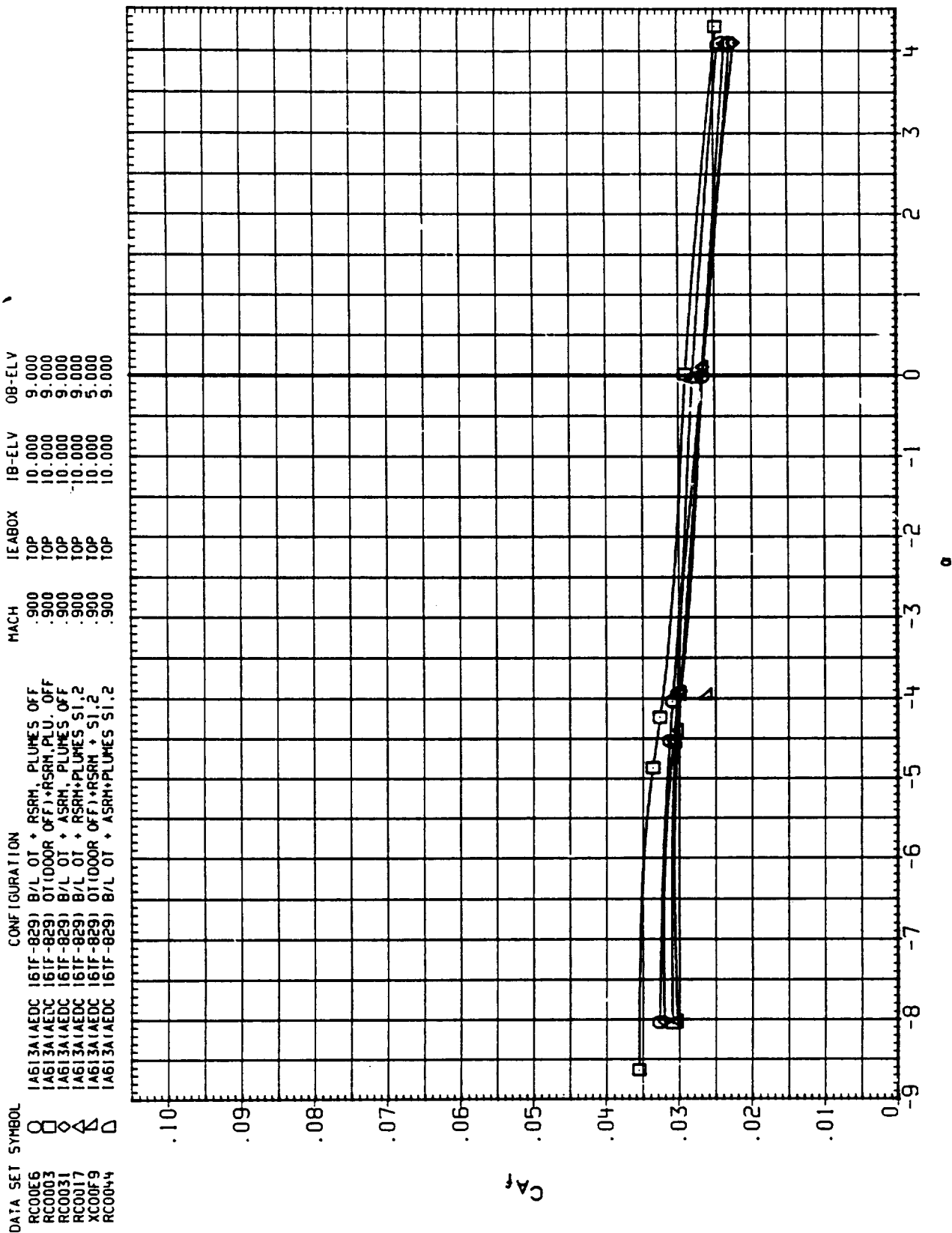


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE490X	IB-ELV	OB-ELV
RC00E7	IA613AIAEDC 16TF-829) B/L OT + RSRH, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613AIAEDC 16TF-829) OT(DOOR OFF)+RSRH, PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613AIAEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613AIAEDC 16TF-829) B/L OT + RSRH+PLUMES 51.2	.950	TOP	10.000	9.000
XC00G0	IA613AIAEDC 16TF-829) OT(DOOR OFF)+RSRH + 51.2	.950	TOP	10.000	5.000
RC0045	IA613AIAEDC 16TF-829) B/L OT + ASRH+PLUMES 51.2	.950	TOP	10.000	9.000

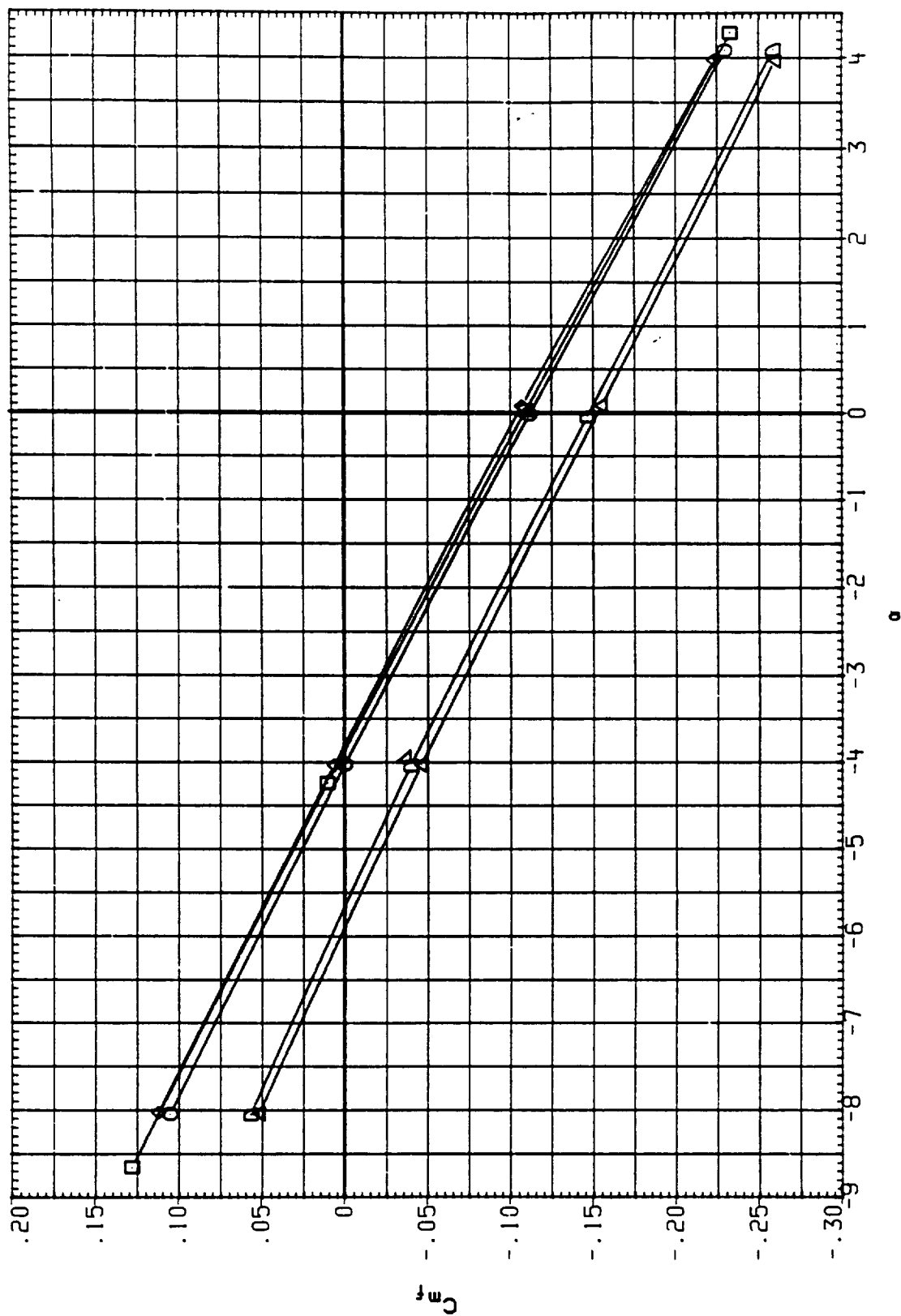


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

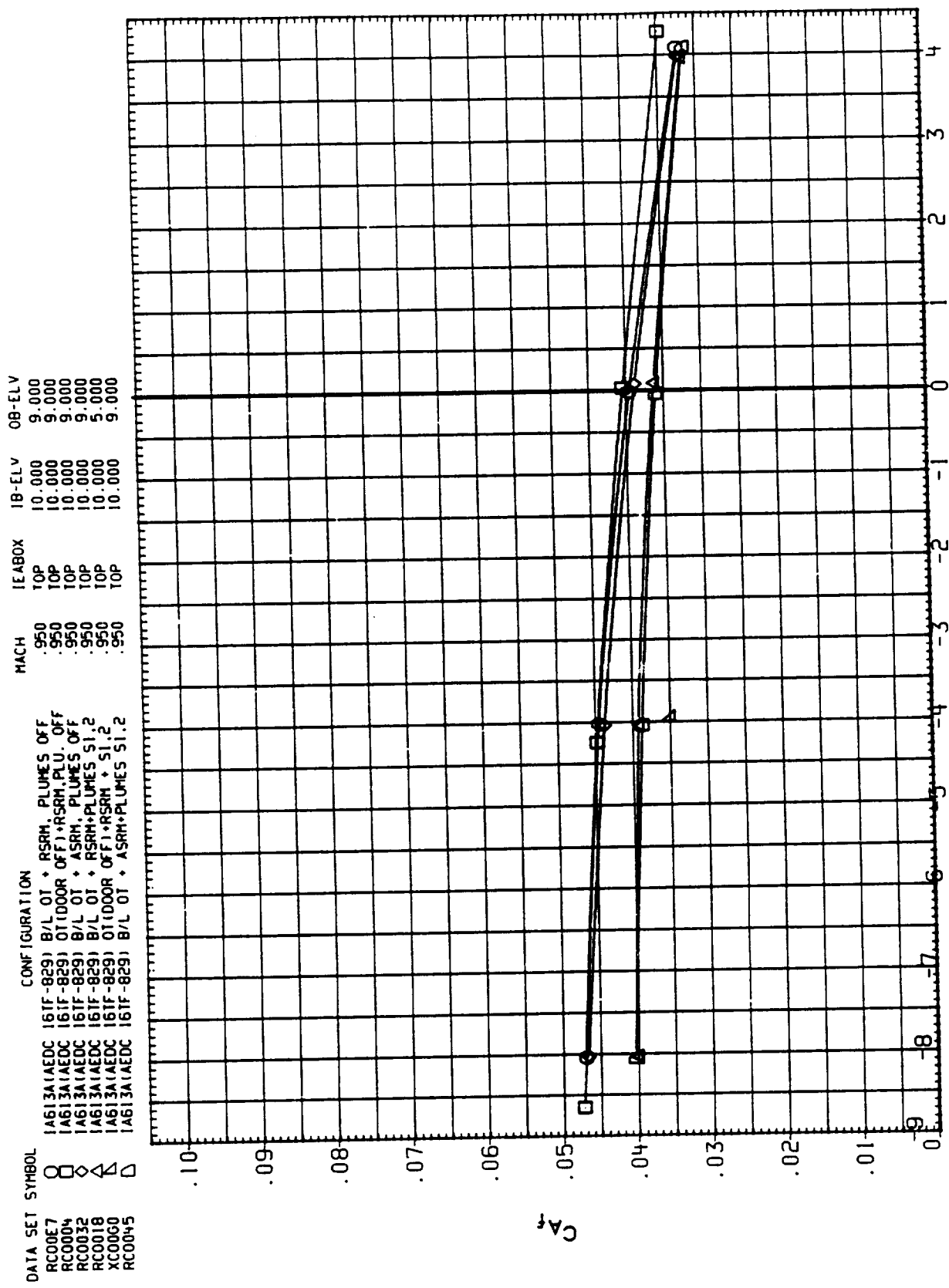


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE4BOX	IB-ELV	OB-ELV
RC0008	IAB13A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	IAB13A(AEDC 16TF-829) OT(1000R OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IAB13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IAB13A(AEDC 16TF-829) OT(1000R OFF)+RSRM+PLUMES 51.2	1.050	TOP	10.000	9.000
XC00G1	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	1.050	TOP	10.000	5.000
RC0046	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	1.050	TOP	10.000	9.000

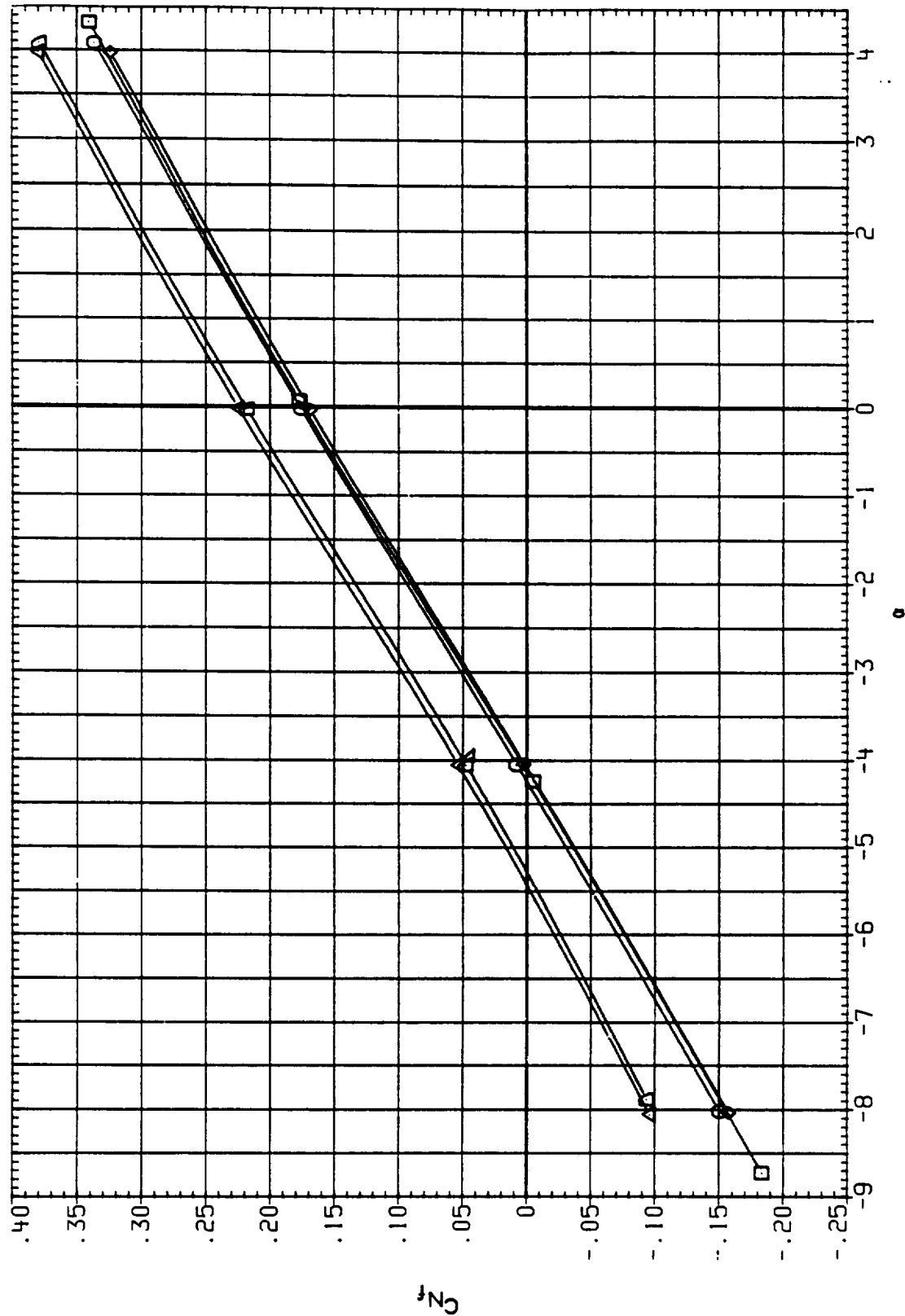


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

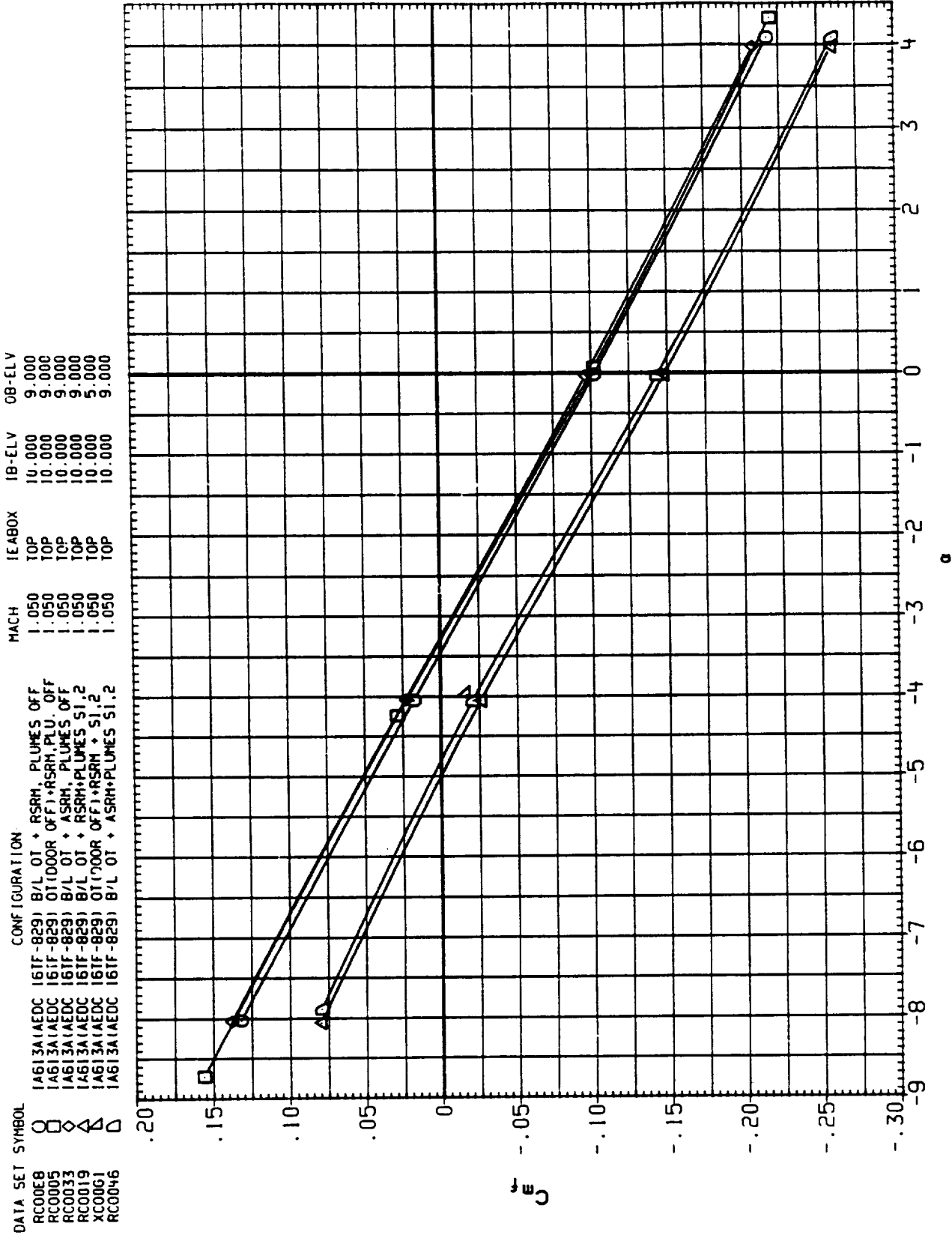


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	□	IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	◇	IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	△	IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
XC00G1	△	IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2	1.050	TOP	10.000	5.000
RC0046	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

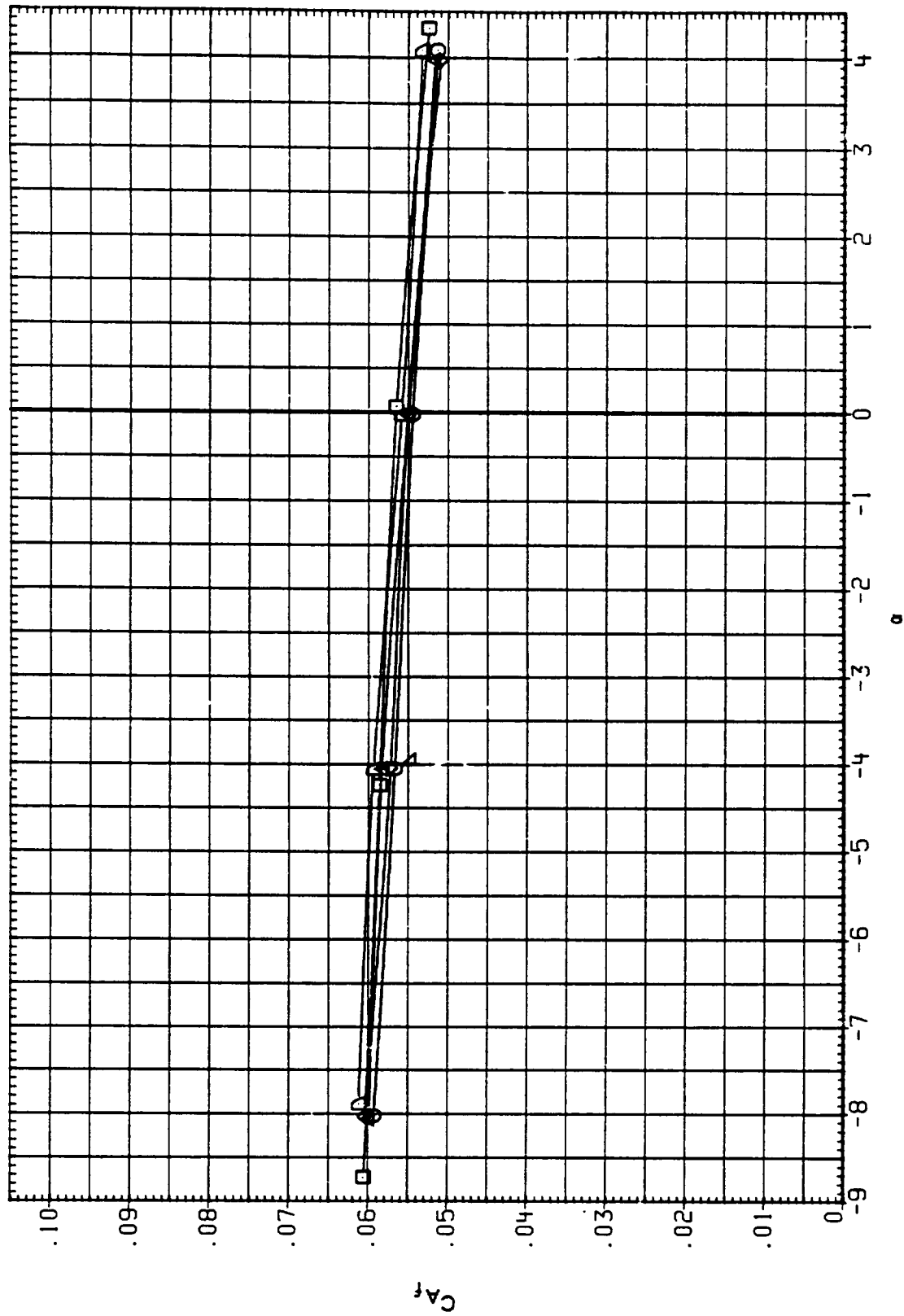


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONF IGURATION	MACH	IE4BOX	IB-ELV	CB-ELV
RC00E9	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	□	IA613A1AEDC 161F-829) OT(000R OFF) + RSRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	△	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	△	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES 51.2	1.100	TOP	10.000	9.000
XC0062	△	IA613A1AEDC 161F-829) OT(000R OFF) + RSRM + 51.2	1.100	TOP	10.000	5.000
RC0047	△	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES 51.2	1.100	TOP	10.000	9.000

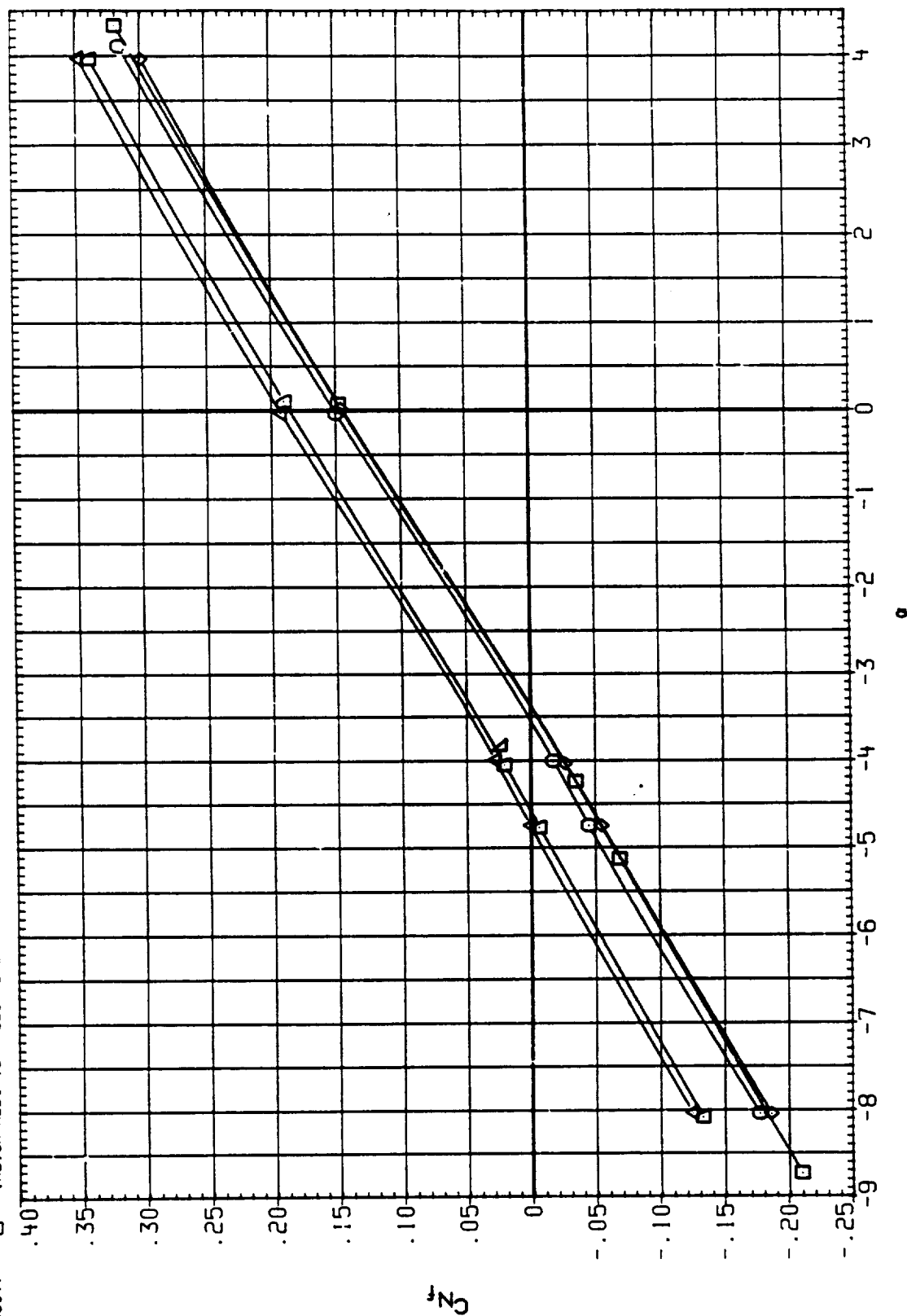


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

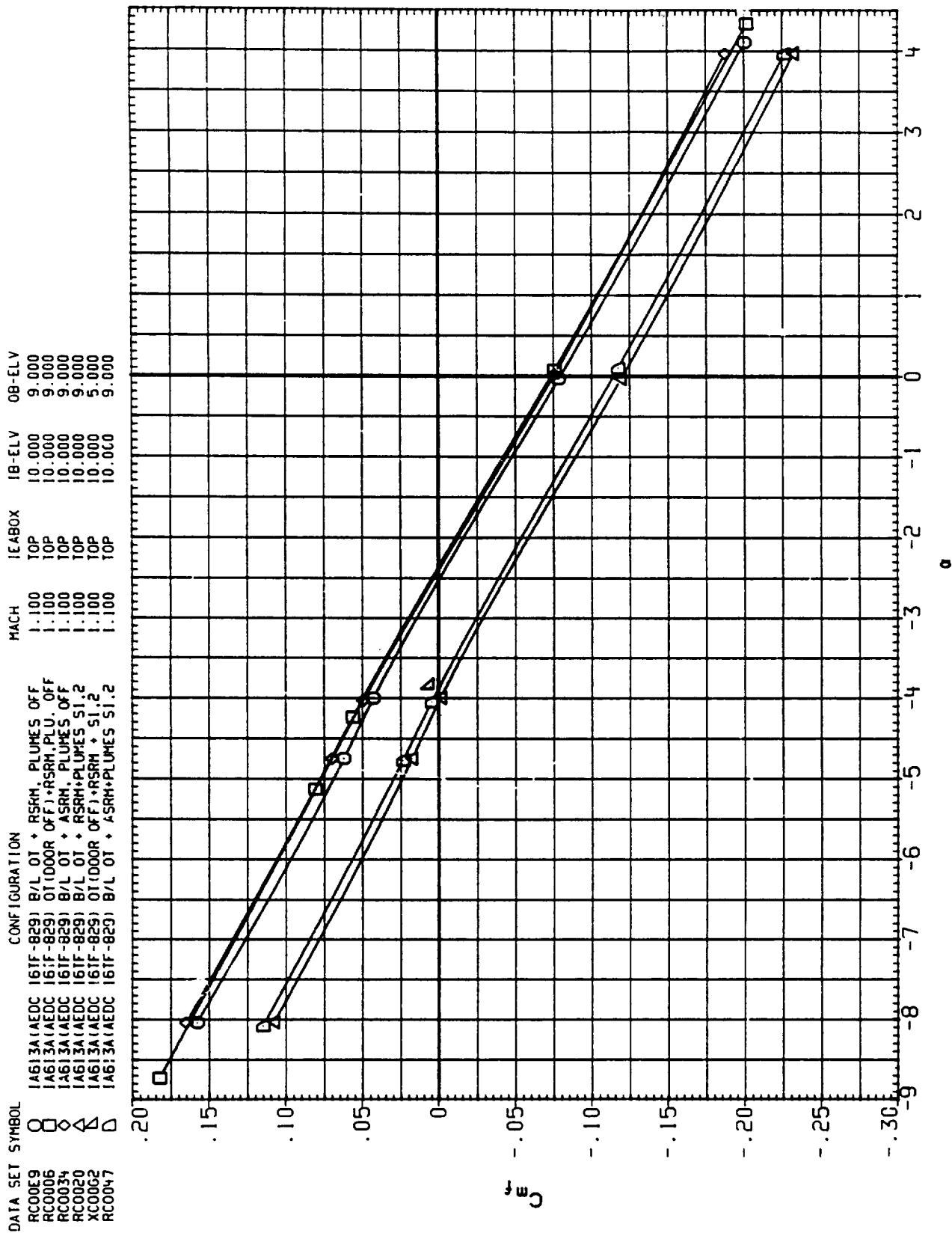
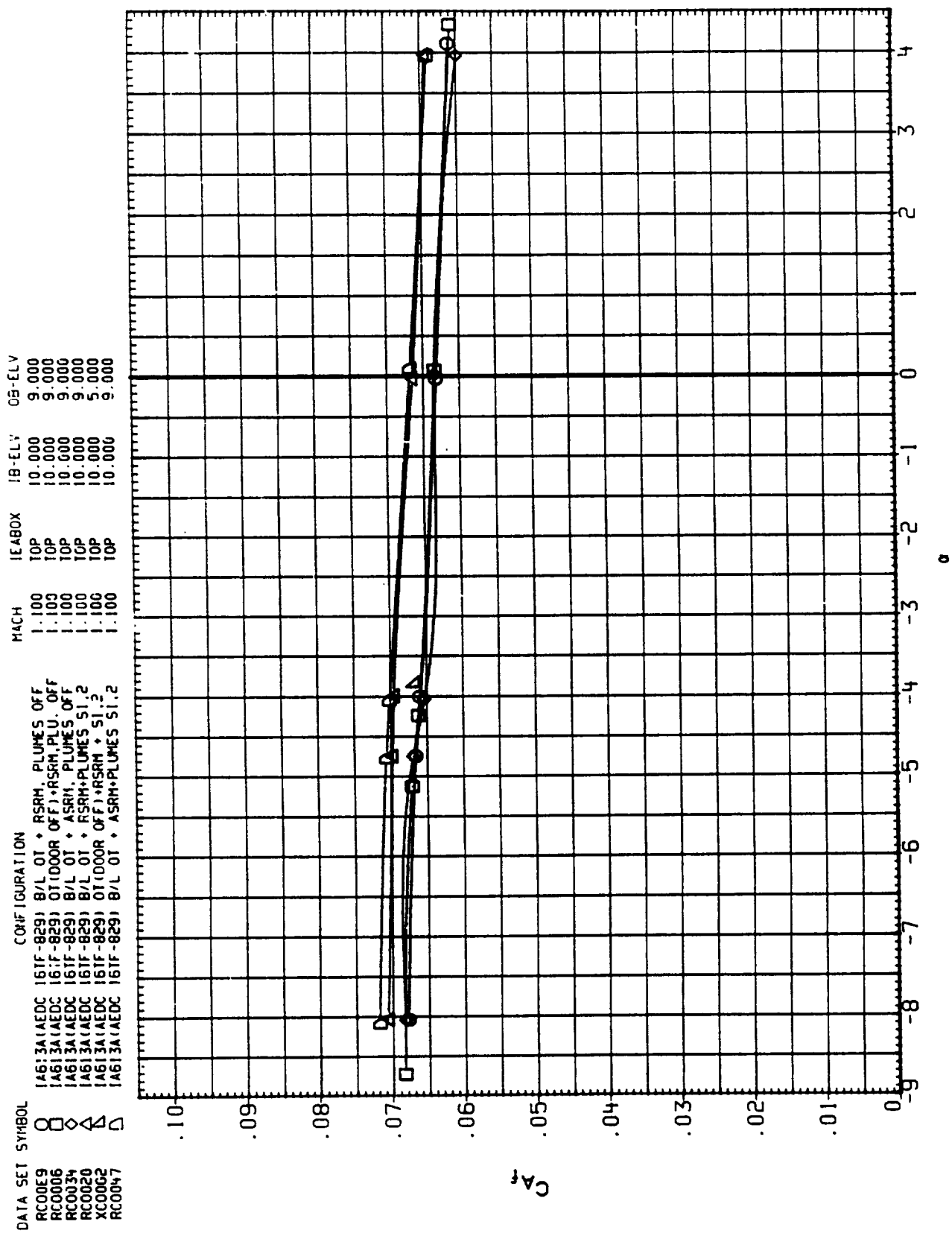


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00



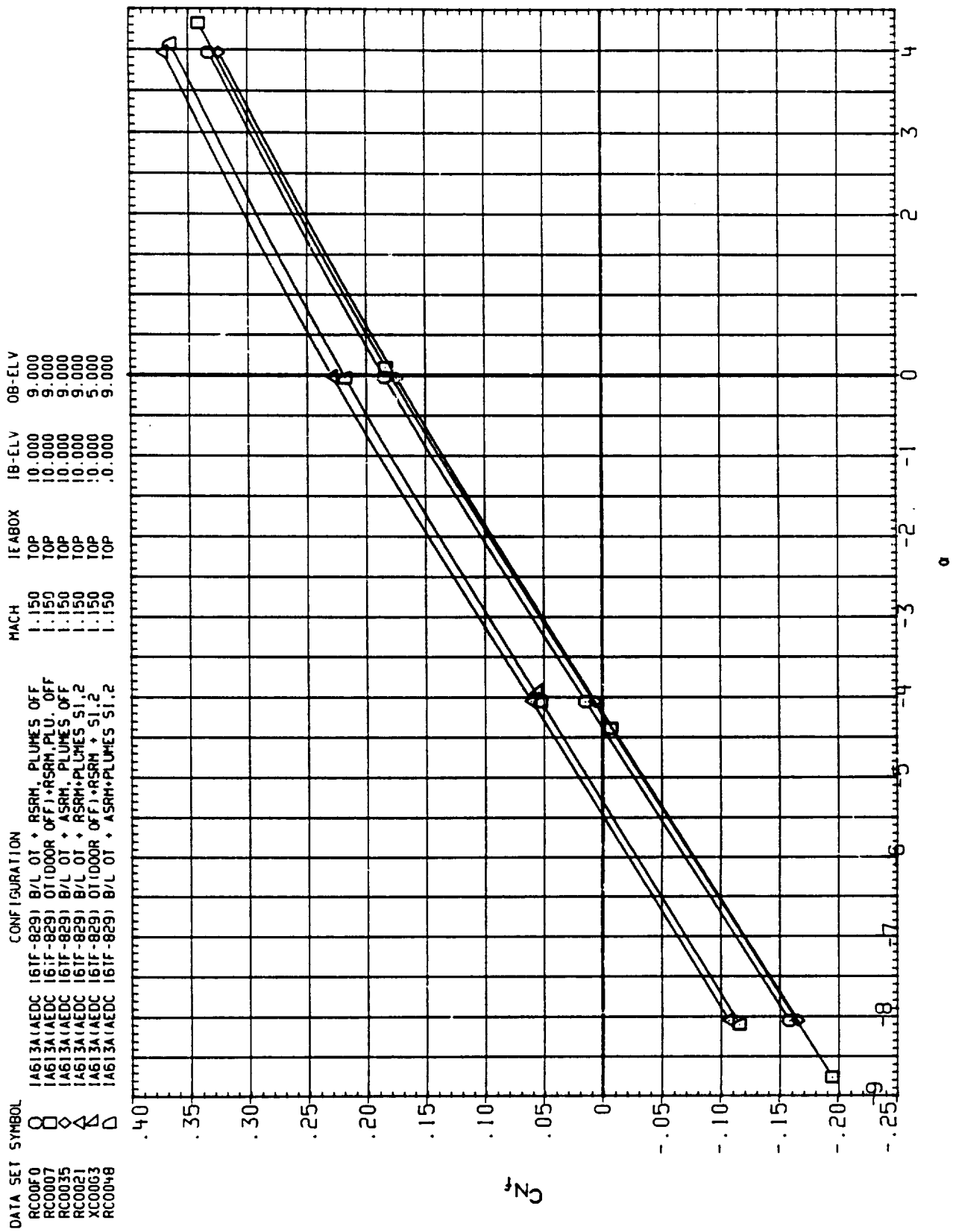


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BCX	IB-ELV	CB-ELV
RC00F0	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	IAG13A1AEDC 16TF-829) OT+DOOR OFF	1.150	TOP	10.000	9.000
RC0035	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES 51.2	1.150	TOP	10.000	5.000
XC00G3	IAG13A1AEDC 16TF-829) OT+DOOR OFF	1.150	TOP	10.000	9.000
RC0048	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	1.150	TOP	10.000	9.000

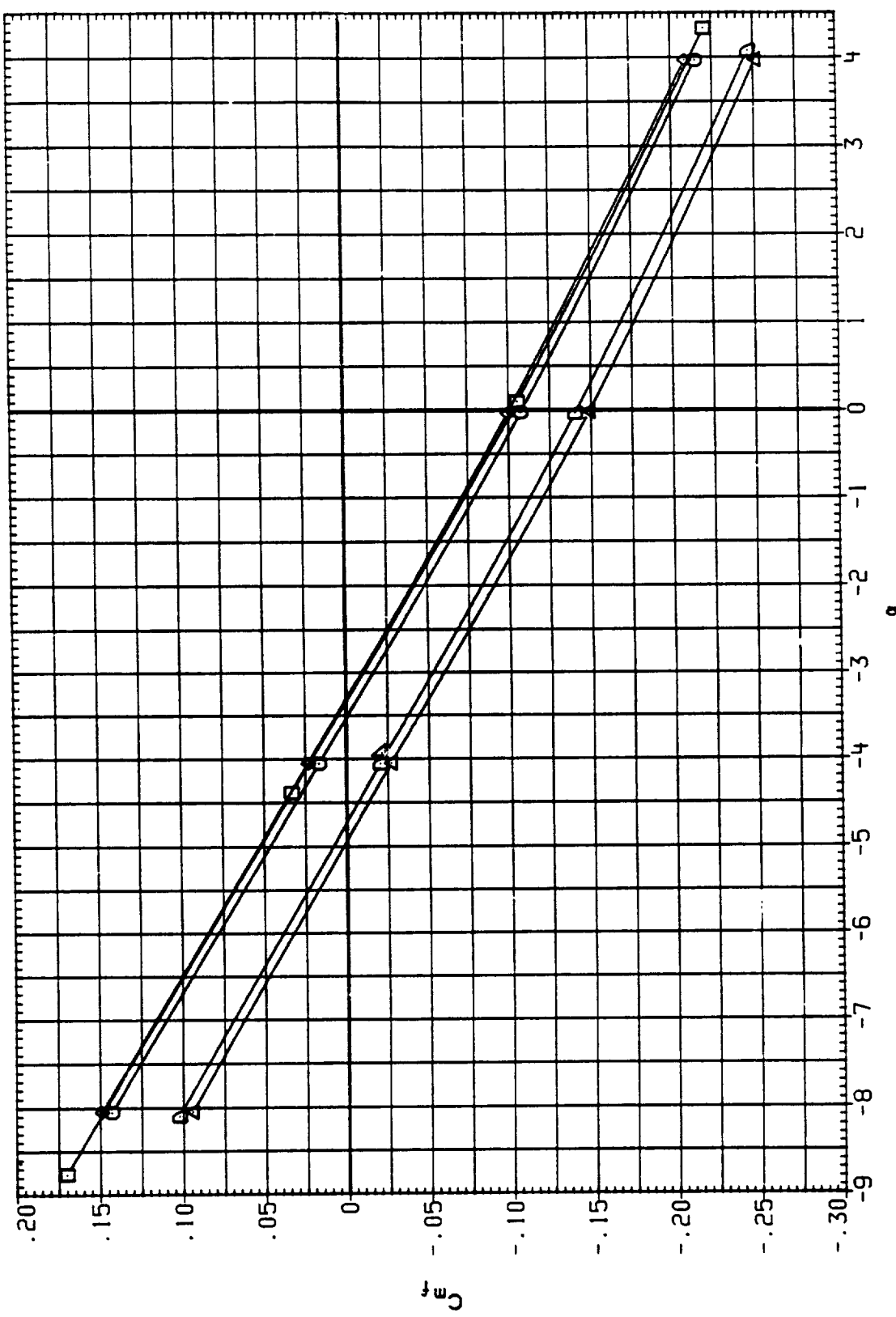


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F0	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	□	IA613A1AEDC 161F-829) OT(1000R OFF)+RSRM,PLU. OFF	1.150	TOP	10.000	9.000
RC0035	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
XC00G3	△	IA613A1AEDC 161F-829) OT(1000R OFF)+RSRM + S1.2	1.150	TOP	10.000	5.000
RC0048	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

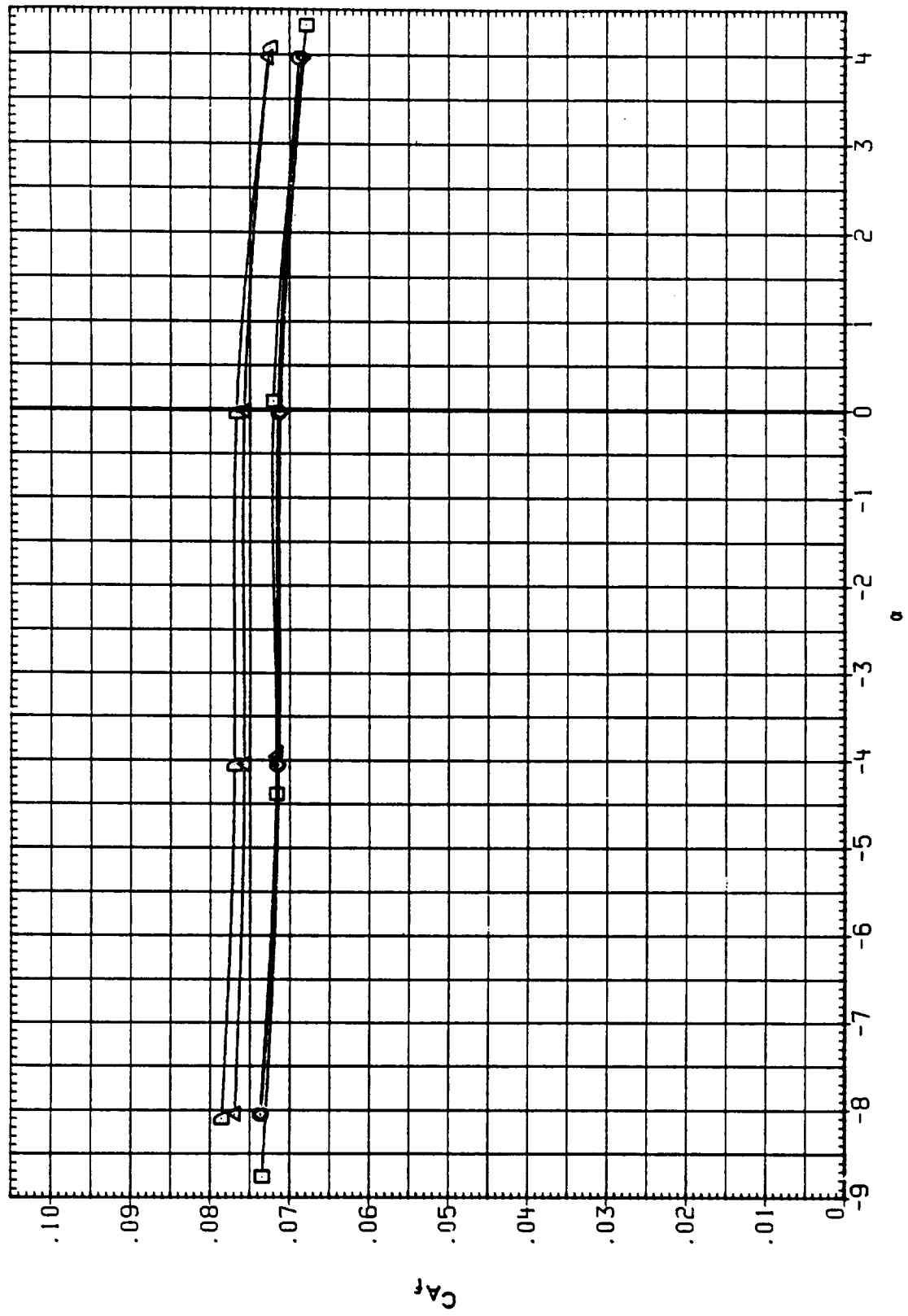


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) $\beta_A = .00$

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0001	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	◇	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	△	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	1.250	TOP	10.000	9.000
RC0023	△	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM + S1.3	1.250	TOP	10.000	5.000
RC0049	△	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	1.250	TOP	10.000	9.000

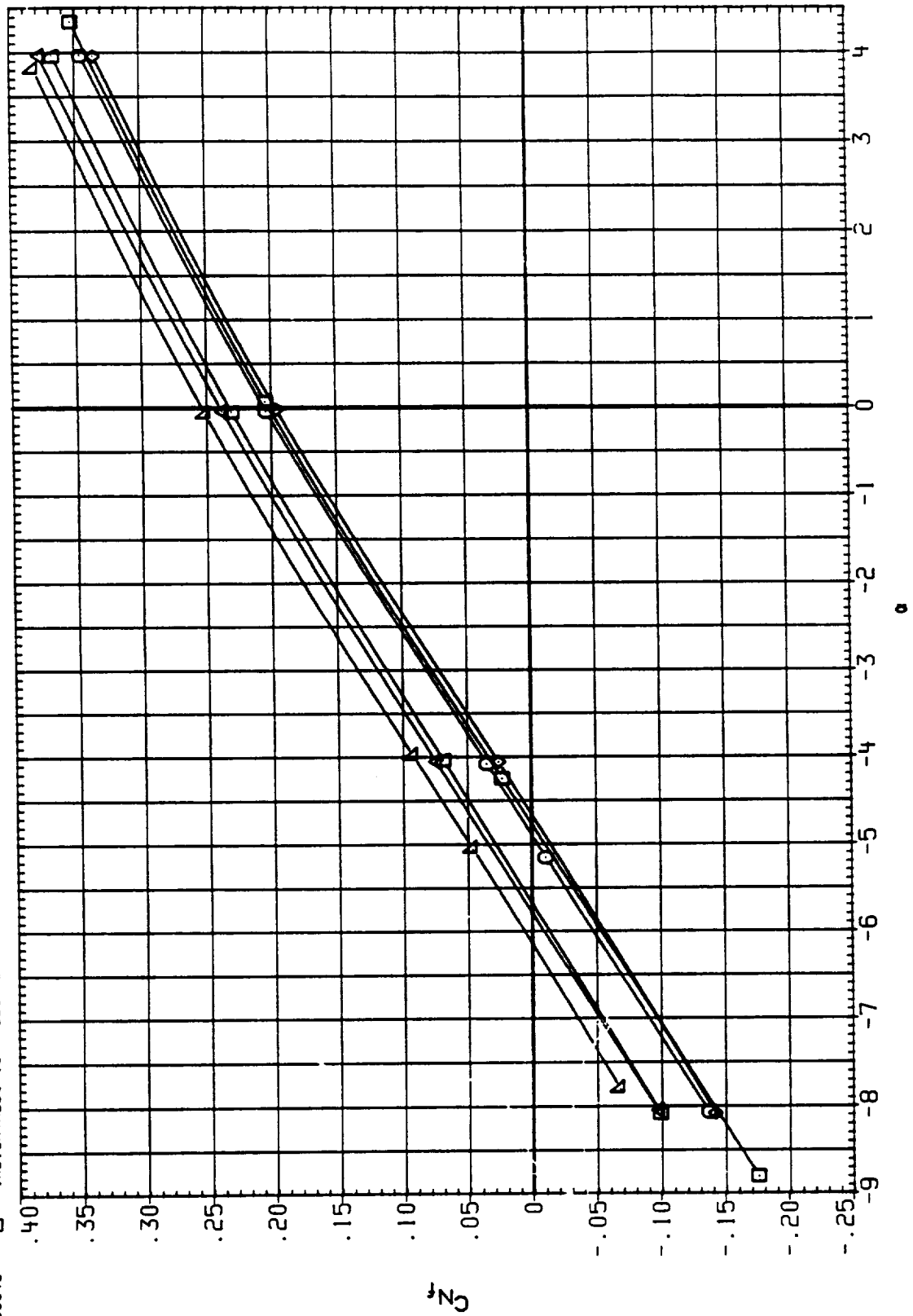


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE4BOX	IB-ELV	OB-ELV
RC0JF1	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0J08	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0J36	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RCC022	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	1.250	TOP	10.000	9.000
RC0J023	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + S1.3	1.250	TOP	10.000	5.000
RC0J049	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.250	TOP	10.000	9.000

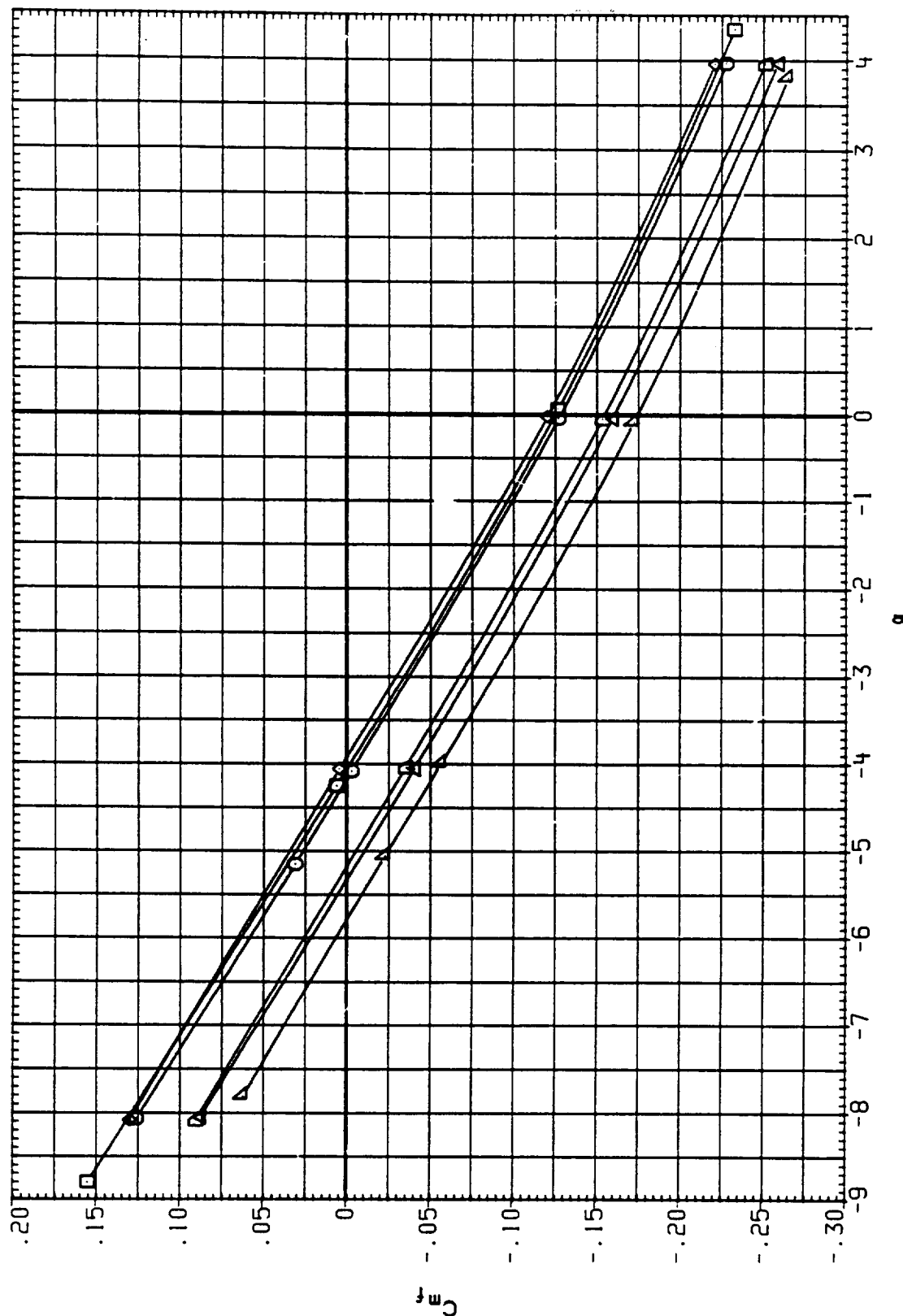


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F1	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.250	TOP	10.000	9.000
RC0023	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + SI.3	1.250	TOP	10.000	5.000
RC0049	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	TOP	10.000	9.000

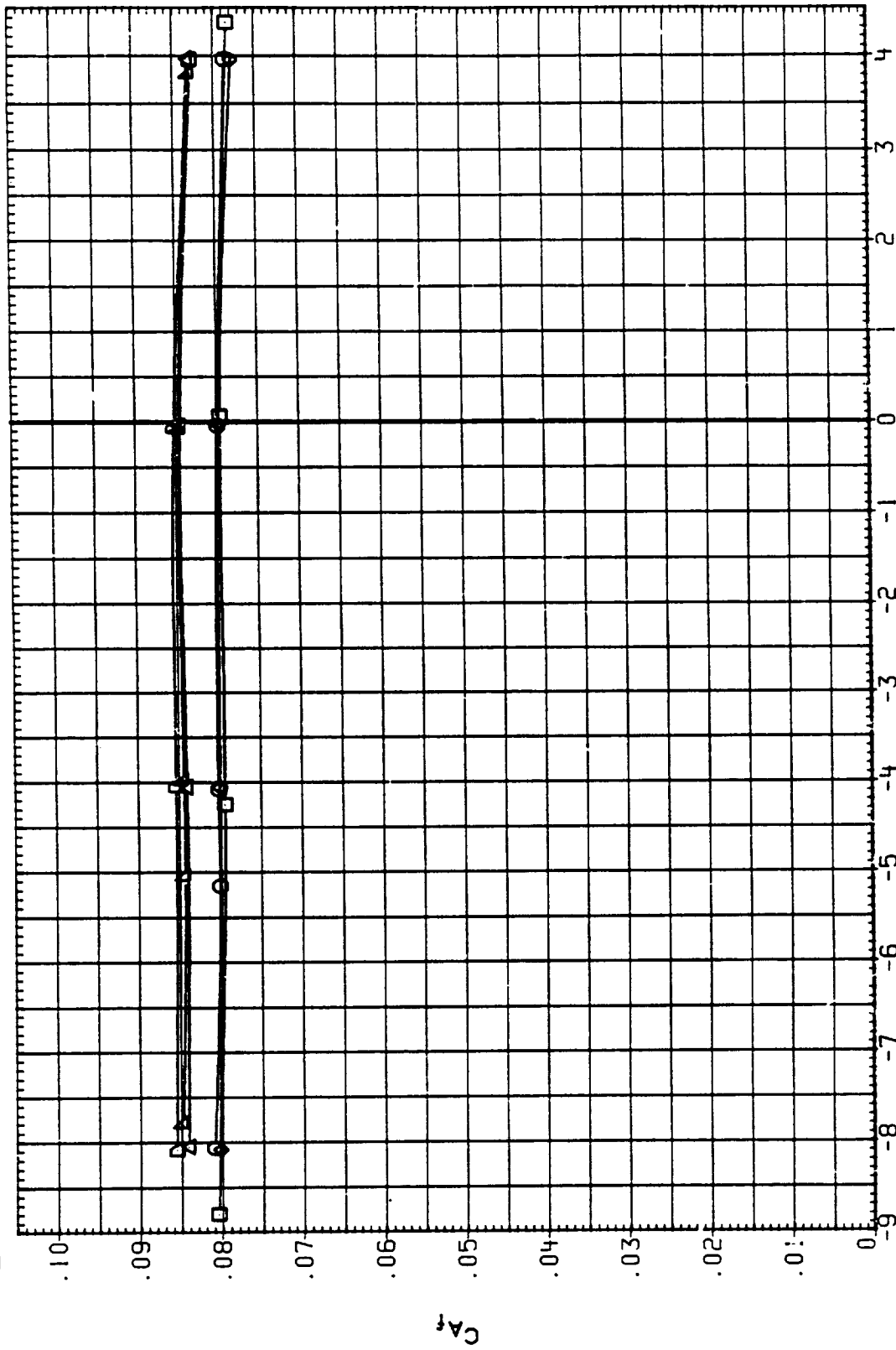


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0010	□	IA613A(AEDC 16TF-829) OT(1000R OFF) + RSRM, PLU. OFF	1.300	TOP	10.000	5.000
RC0038	□	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	◇	IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES SI.2	1.300	TOP	10.000	5.000
RC0024	△	IA613A(AEDC 16TF-829) OT(1000R OFF) + RSRM + SI.3	1.300	TOP	10.000	5.000
RC0054	△	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.300	TOP	10.000	5.000

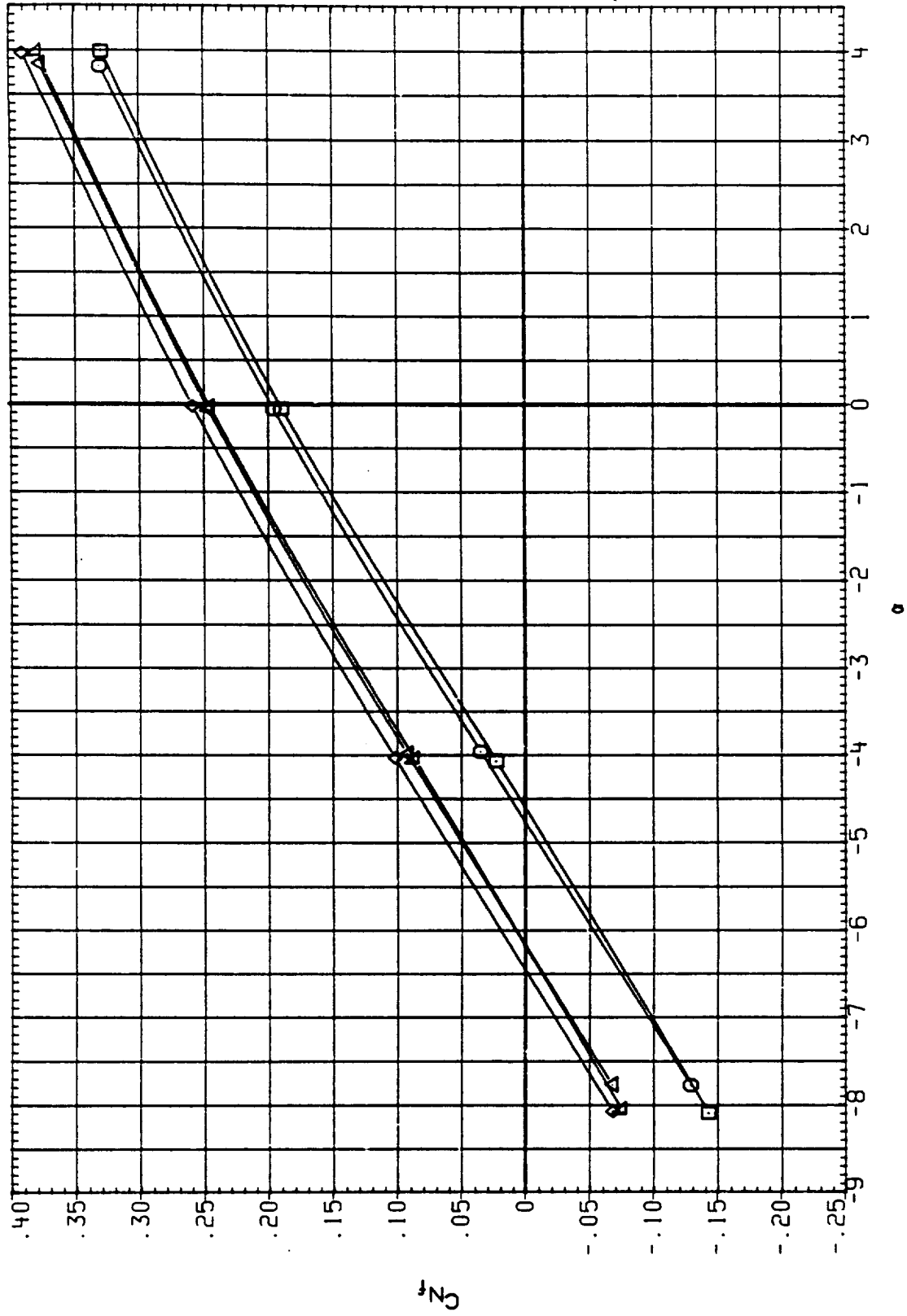


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0010	IAG13A1AEDC 161F-829) OT/DOOR OFF) + RSRM, PLU. OFF	1.300	TOP	10.000	5.000
RC0038	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0006	IAG13A1AEDC 161F-829) B/L OT + RSRM, PLUMES SI.2	1.300	TOP	10.000	9.000
RC0024	IAG13A1AEDC 161F-829) OT/DOOR OFF) + RSRM + SI.3	1.300	TOP	10.000	5.000
RC0054	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES SI.3	1.300	TOP	10.000	5.000

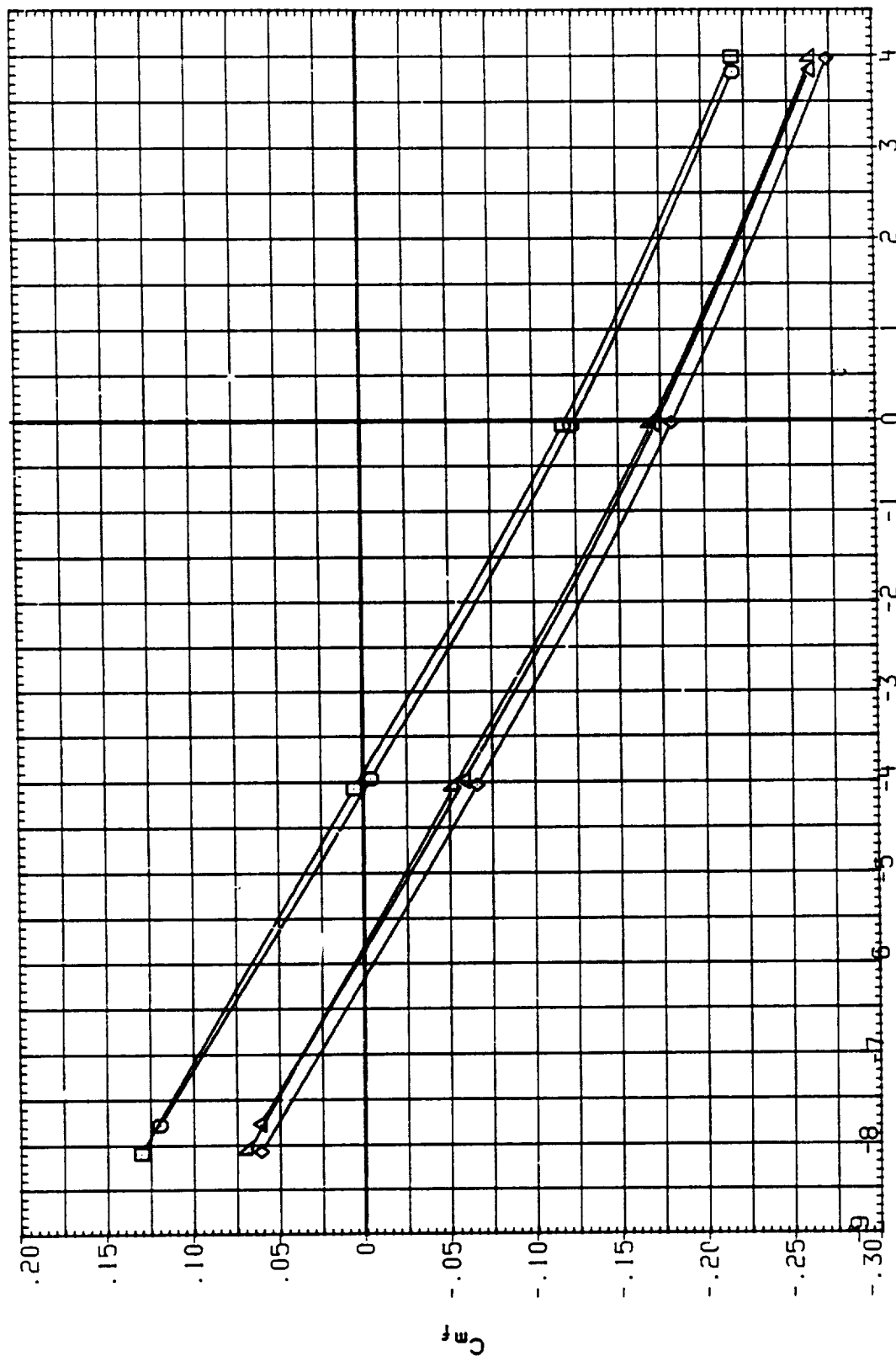


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MAH	HEAD	RELOC	RELOC
RC0010	□	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	1.300	TOP	10.000	5.000
RC0038	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	□	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.300	TOP	10.000	9.000
RC0024	△	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.300	TOP	10.000	5.000
RC0034	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000

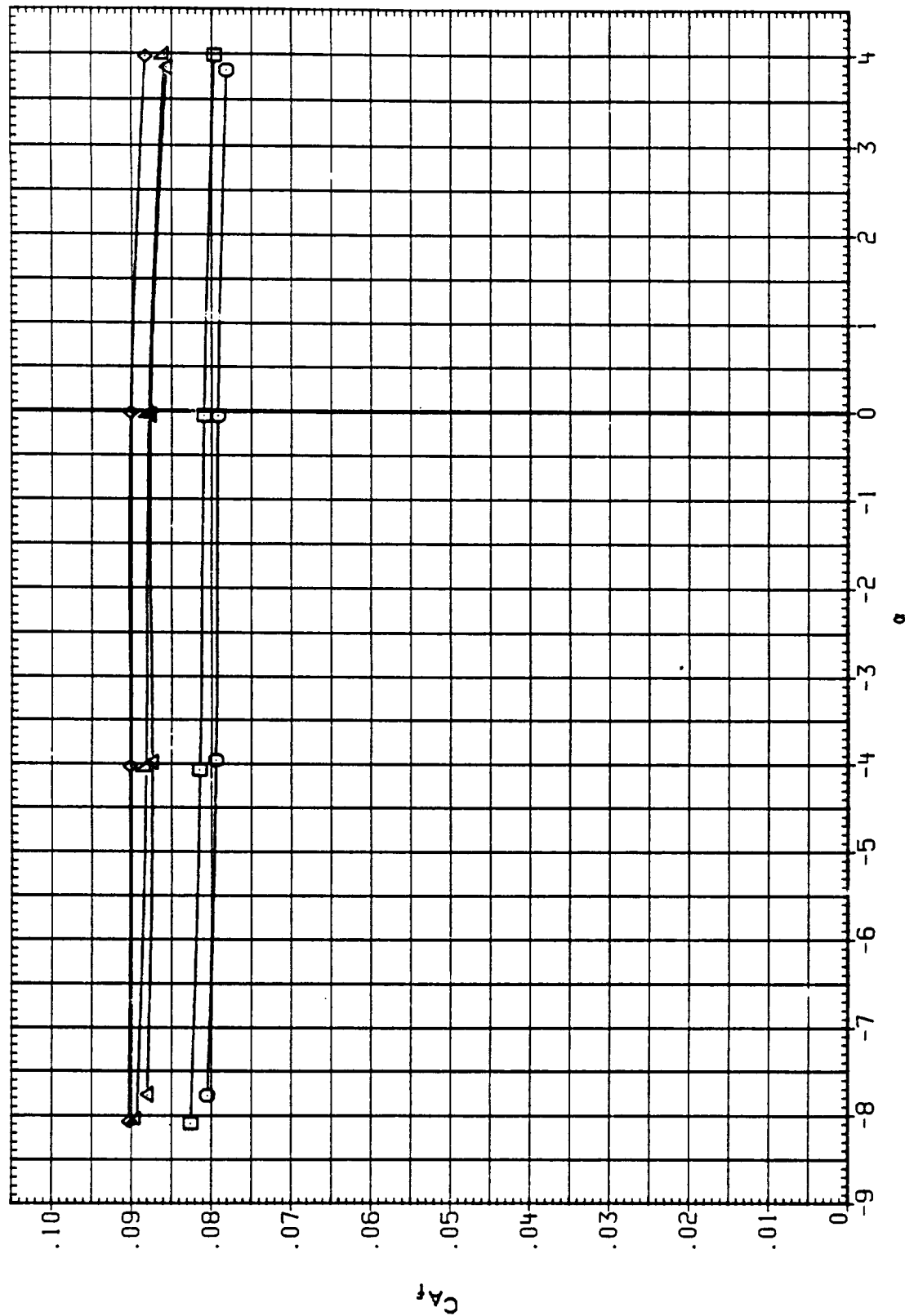


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC00F2	□	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	□	IA613A(AEDC 161F-829) OT(ODOR OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	◇	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	1.350	TOP	10.000	9.000
RC0025	△	IA613A(AEDC 161F-829) OT(ODOR OFF)+RSRH + S1.3	1.350	TOP	10.000	5.000
RC0055	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.350	TOP	10.000	5.000

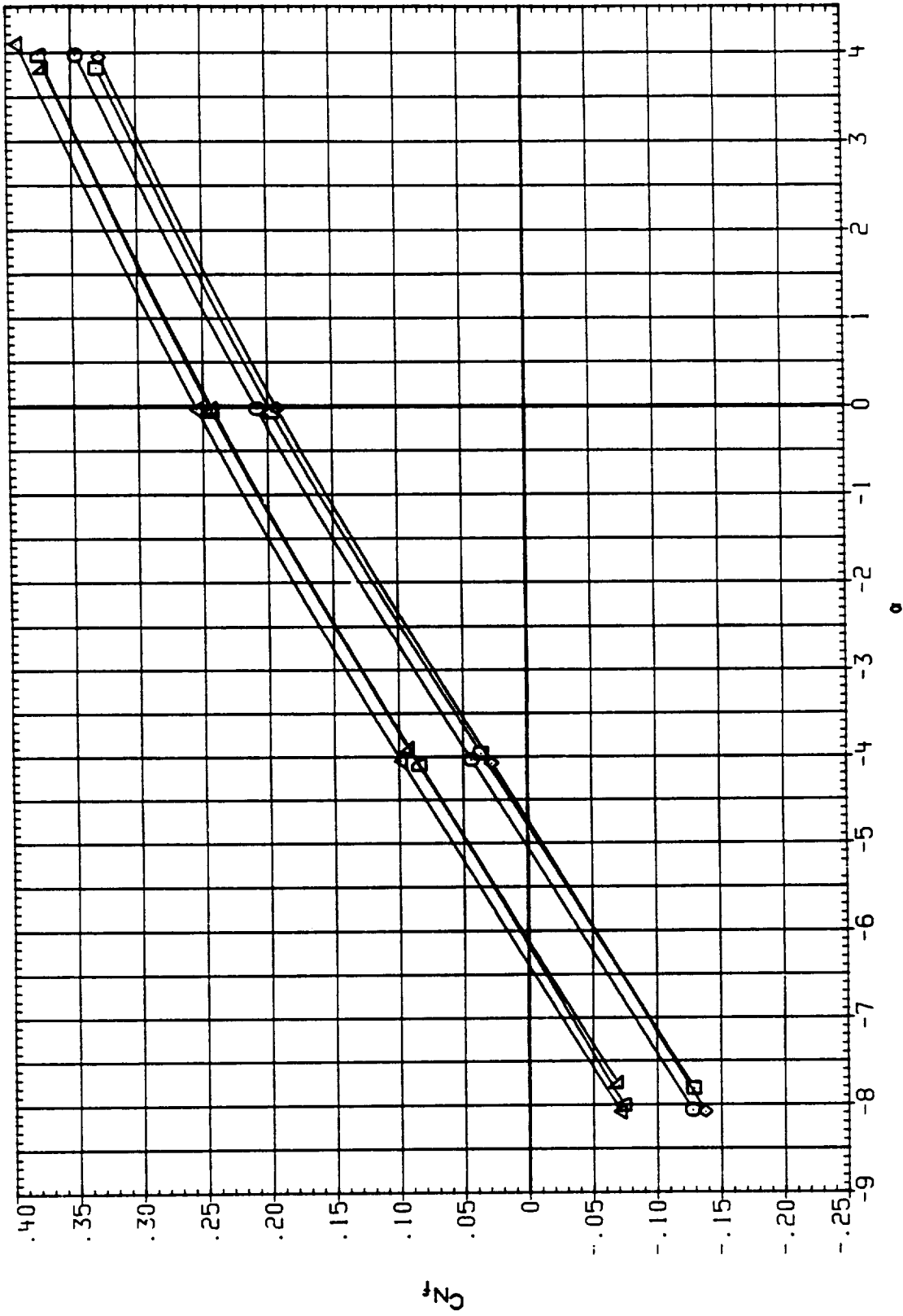


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	HEADBOX	15-ELV	25-ELV
RC00F2	IA613A1AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	IA613A1AEDC 161F-829) OT(DOOR OFF) + RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	IA613A1AEDC 161F-829) B/L OT + RSRH, PLUMES S1.2	1.350	TOP	10.000	9.000
RC0025	IA613A1AEDC 161F-829) OT(DOOR OFF) + RSRH + S1.3	1.350	TOP	10.000	5.000
RC0055	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.350	TOP	10.000	5.000

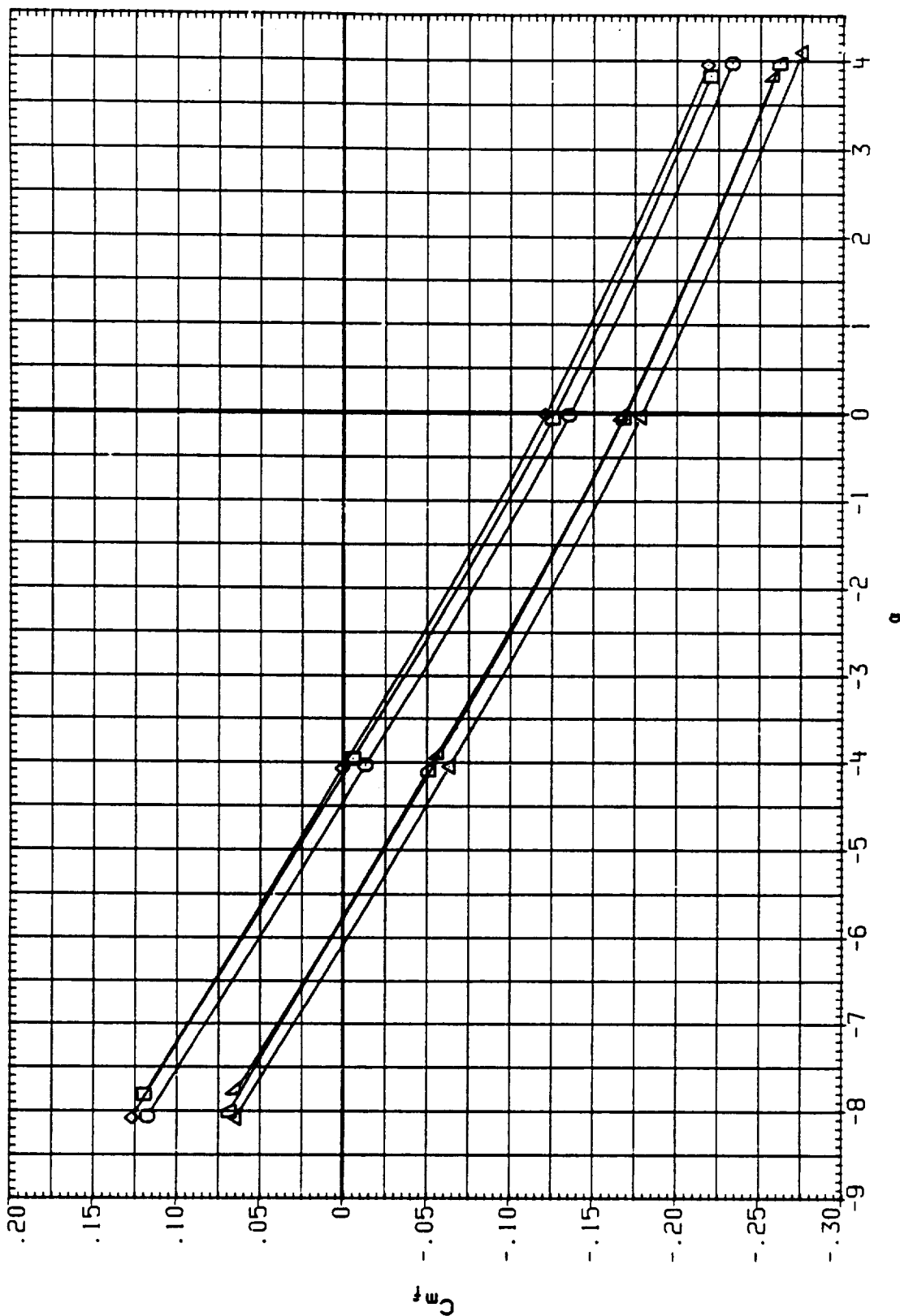


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	GB-ELV
RC00F2	IA613AIAEDC 16TF-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	IA613AIAEDC 16TF-829) OT(DOOR OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	IA613AIAEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	IA613AIAEDC 16TF-829) B/L OT + RSRH, PLUMES 51.2	1.350	TOP	10.000	9.000
RC0325	IA613AIAEDC 16TF-829) OT(DOOR OFF)+RSRH + 51.2	1.350	TOP	10.000	5.000
RC0055	IA613AIAEDC 16TF-829) B/L OT + ASRH+PLUMES 51.3	1.350	TOP	10.000	5.000

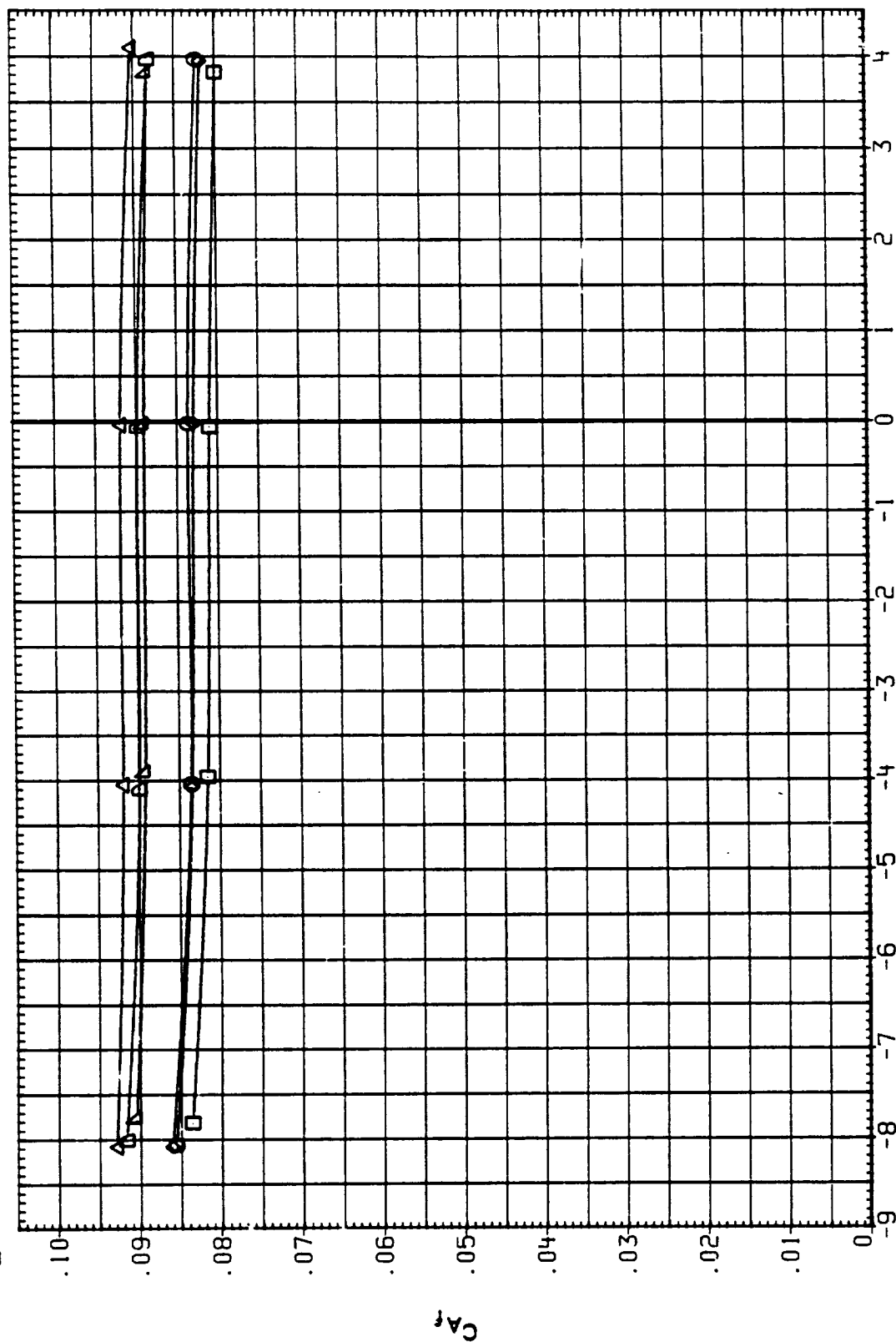


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IG-ELY	CG-ELY
RC00F3	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC0012	IA613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC00H0	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC00H8	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES SI.2	1.400	TOP	10.000	9.000
XC00E6	IA613A(AEDC 161F-829) OT1000R OFF + RSRM + SI.3	1.400	TOP	10.000	5.000
RC00E6	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES SI.3	1.400	TOP	10.000	5.000

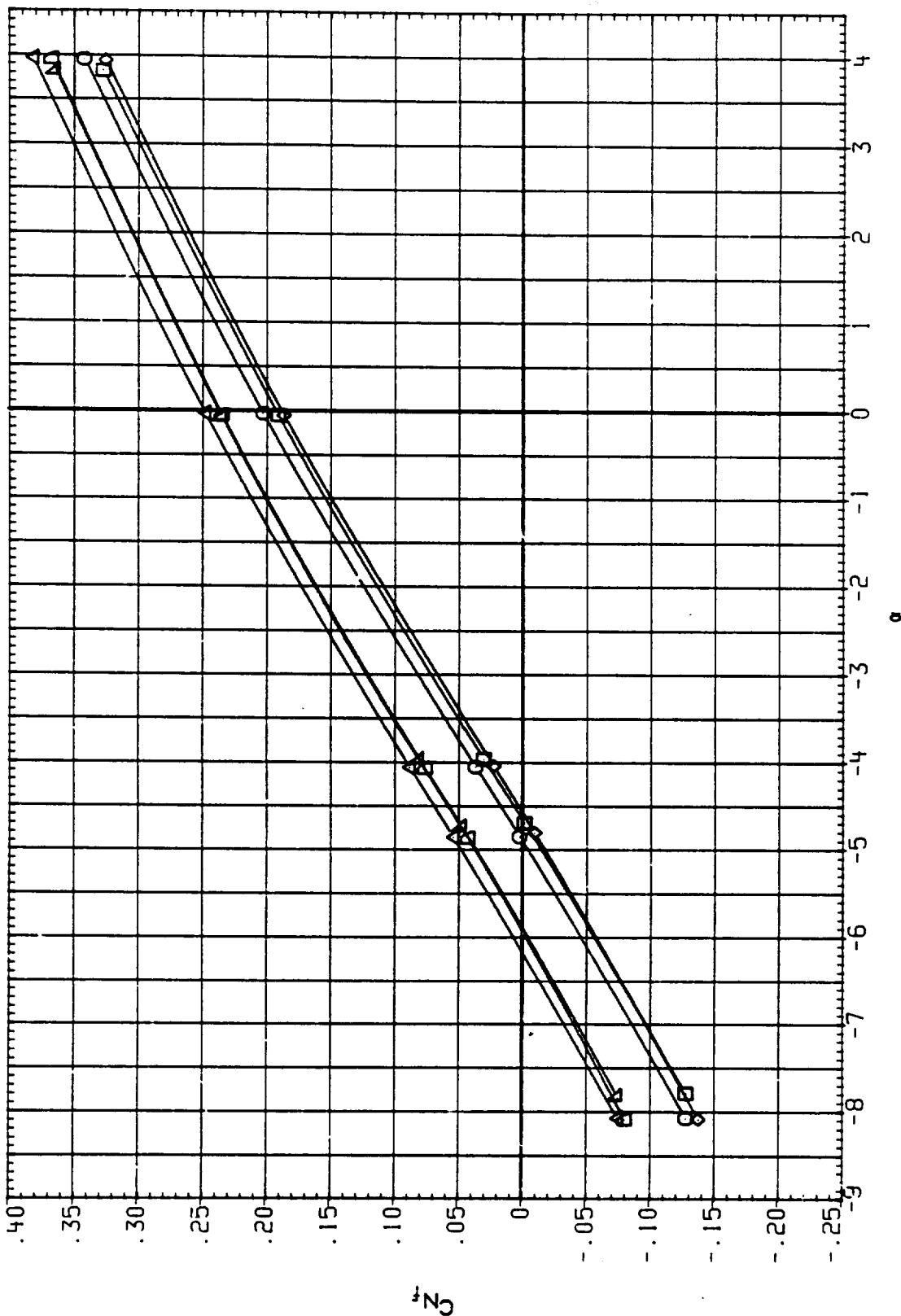


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F3	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC0012	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC0040	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC0048	IA613A1AEDC 161F-829) B/L OT + RSRM + PLUMES SI.2	1.400	TOP	10.000	9.000
XC0026	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + SI.3	1.400	TOP	10.000	5.000
RC0056	IA613A1AEDC 161F-829) B/L OT + ASRM + PLUMES SI.3	1.400	TOP	10.000	5.000

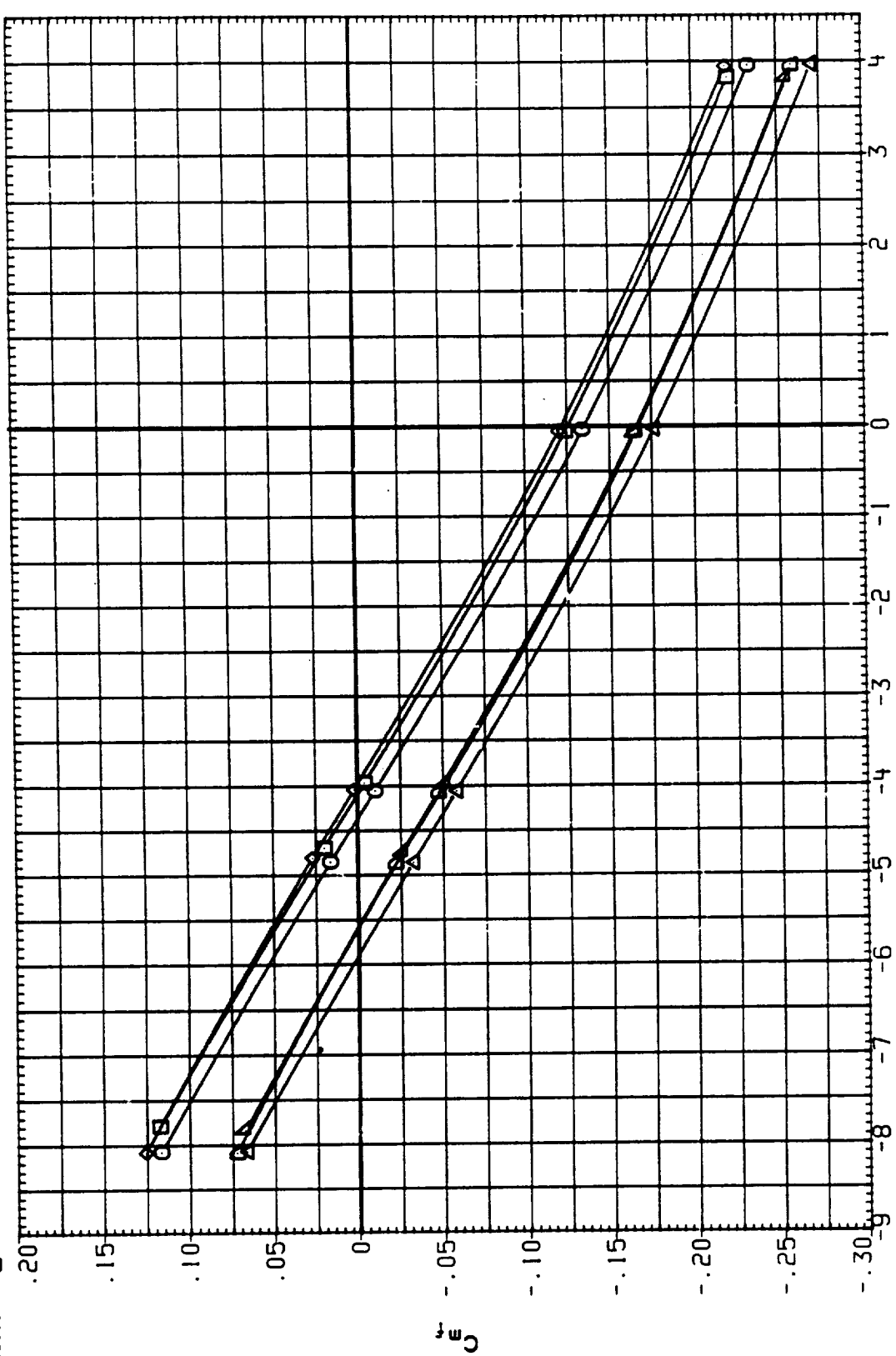


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	CB-ELV
RC0003	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC0012	□	IA613A(AEDC 161F-829) OT(100R OFF) + RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC0040	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC0048	△	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES SI.2	1.400	TOP	10.000	9.000
XC0026	△	IA613A(AEDC 161F-829) OT(100R OFF) + RSRM + SI.3	1.400	TOP	10.000	5.000
RC0056	△	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES SI.3	1.400	TOP	10.000	5.000

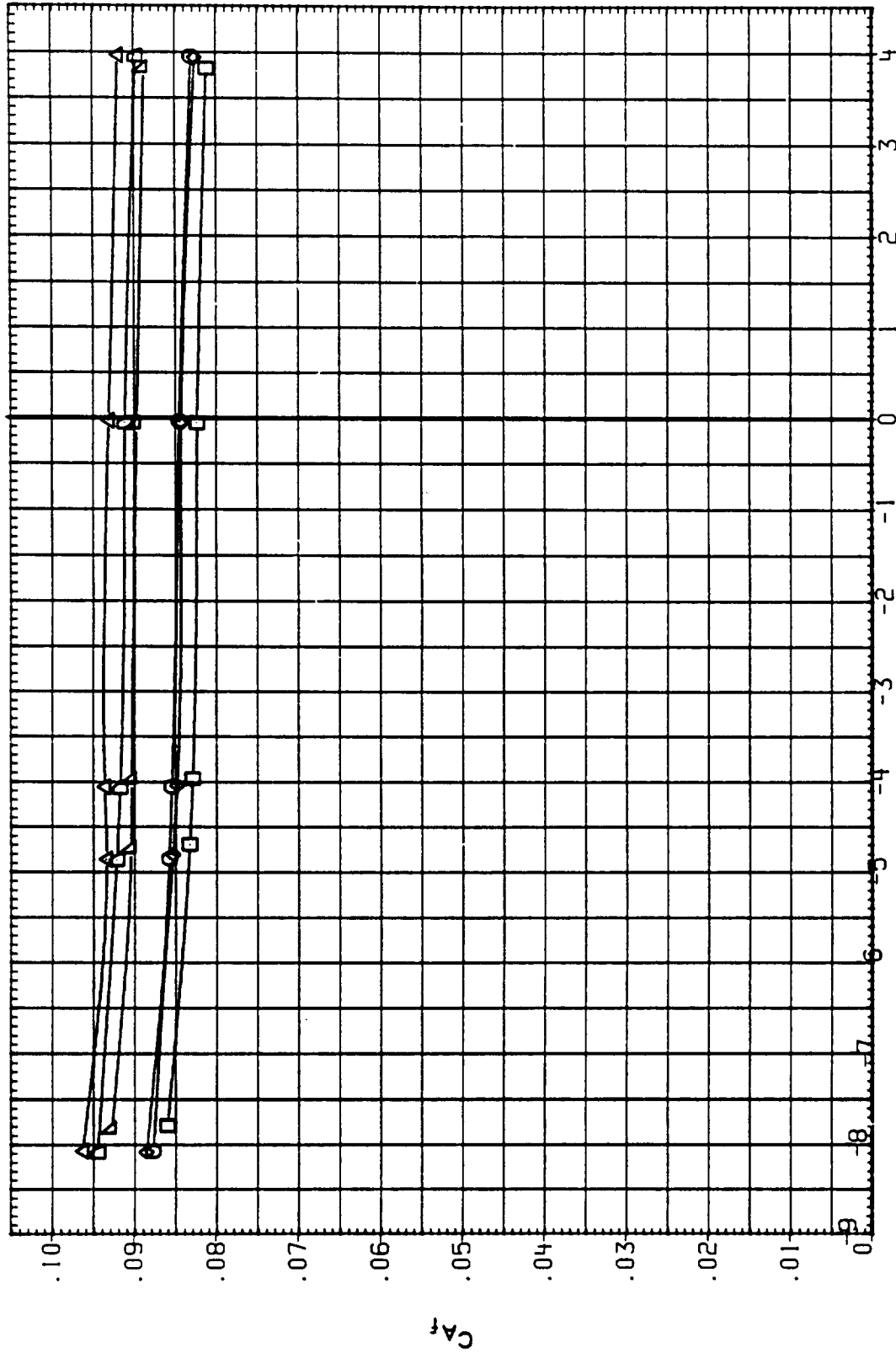


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F4	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	1A613A1AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC0041	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	1A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.550	TOP	10.000	9.000
RC0028	1A613A1AEDC 161F-829) OT(1000R OFF)+RSRM + SI.3	1.550	TOP	10.000	-5.000
RC0057	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	TOP	10.000	5.000

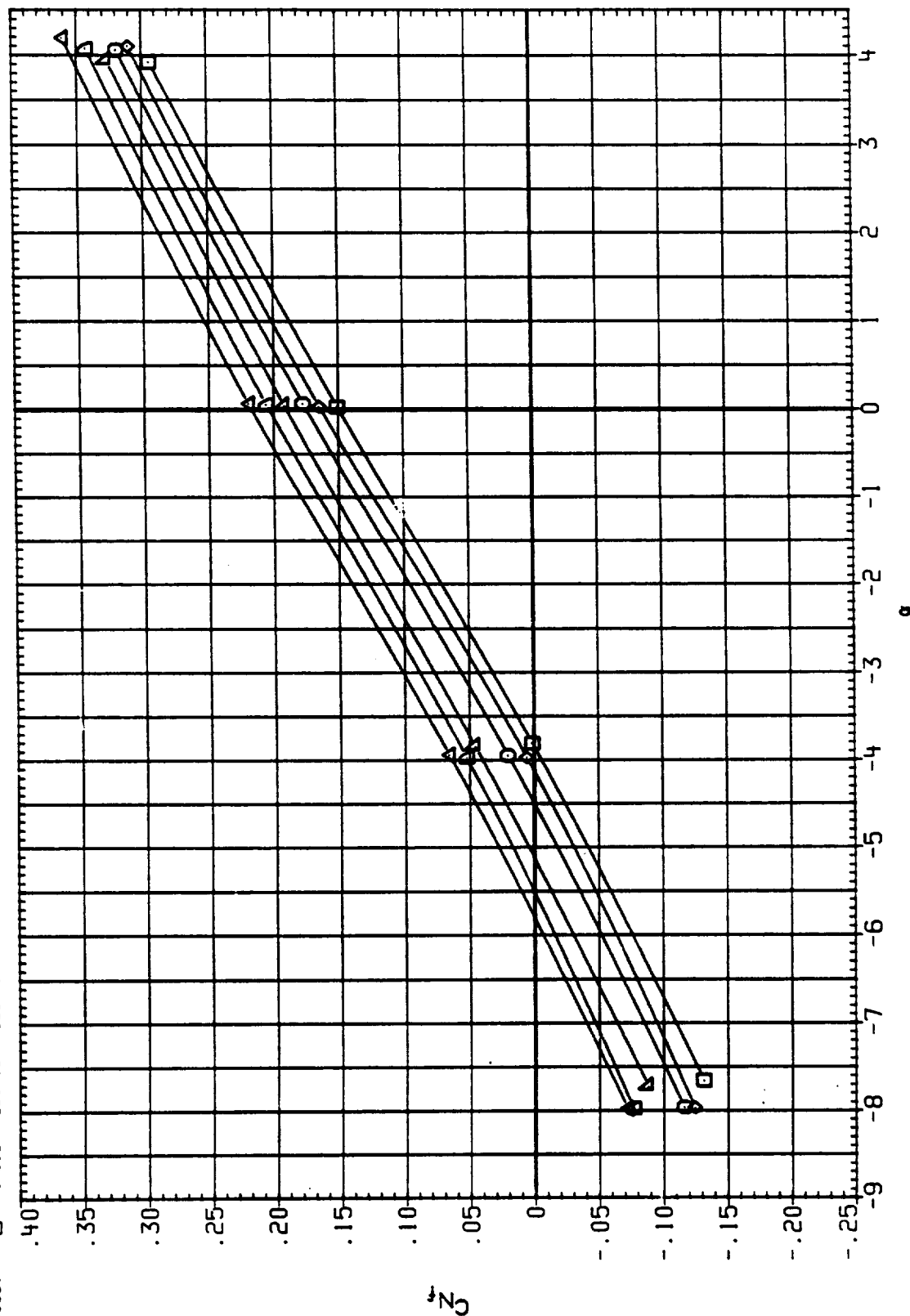


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F4	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC0041	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
RC0028	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + S1.3	1.550	TOP	10.000	-5.000
RC0057	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

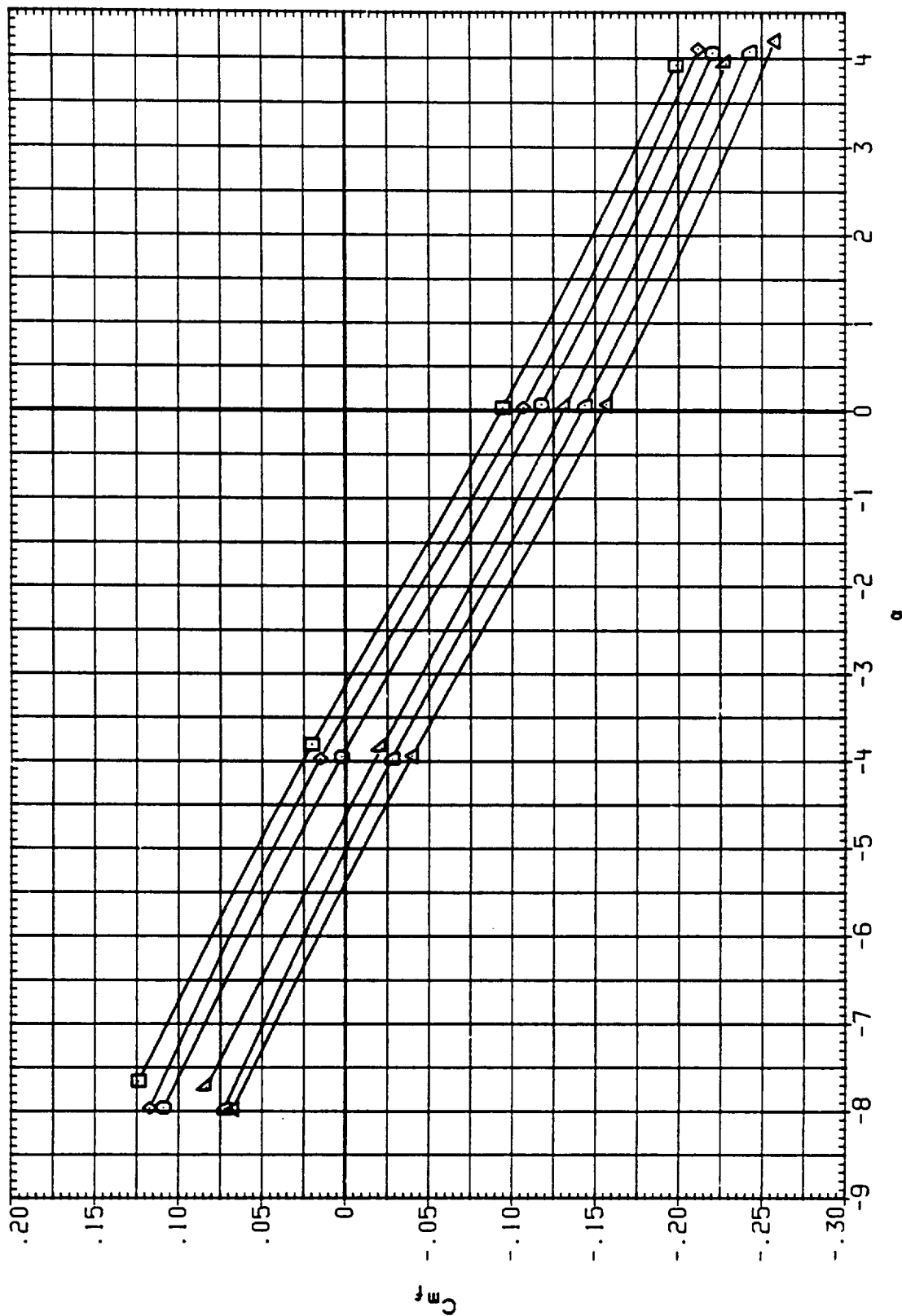


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	WACH	LEAD	WACH	LEAD
RC00F4	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	IA613A(AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC0041	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC0049	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
RC0028	IA613A(AEDC 161F-829) OT(000R OFF)+RSRM + S1.3	1.550	TOP	10.000	-5.000
RC0057	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

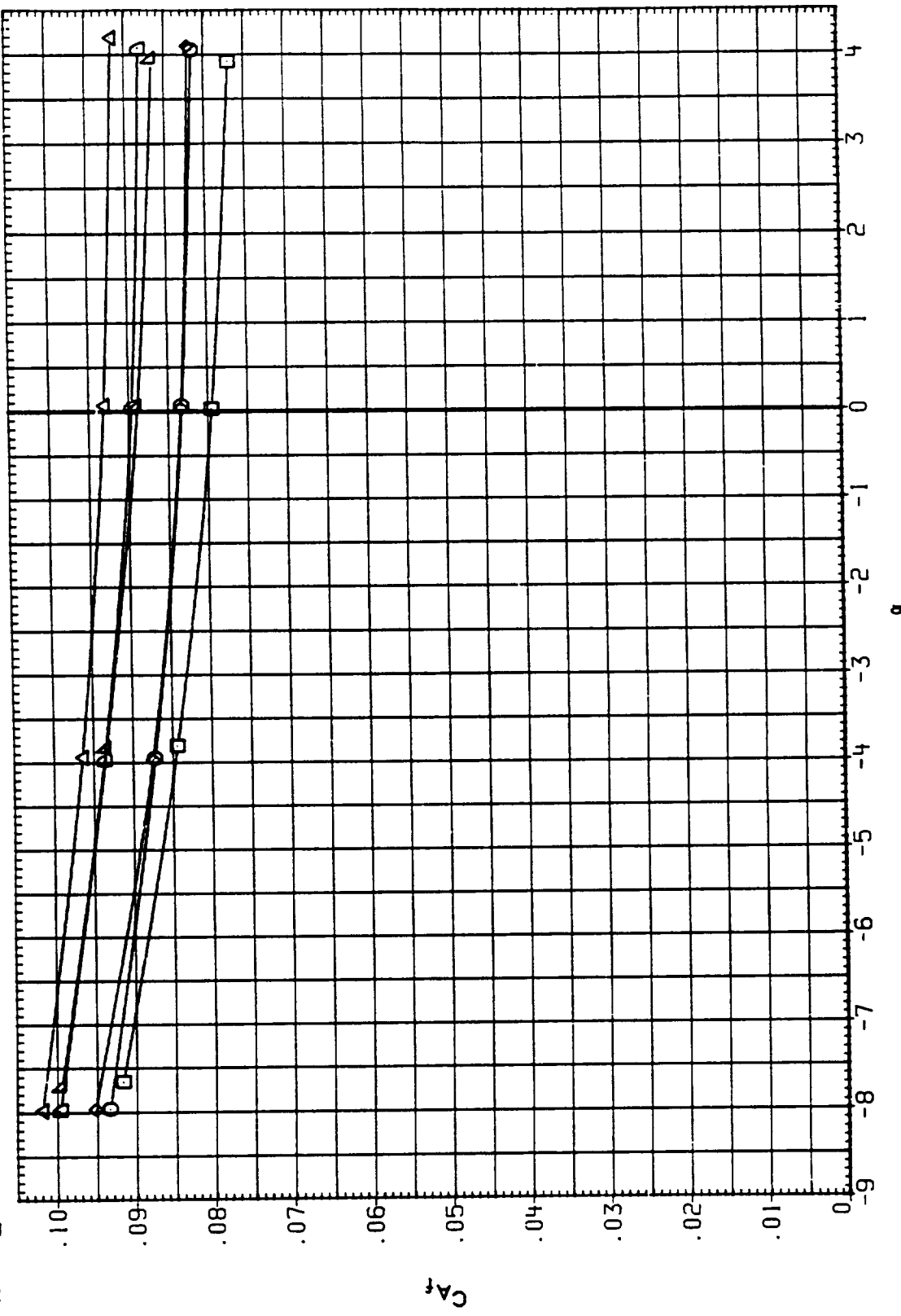


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LE-80A	LE-80B	LE-80C
SC0004	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
SC0001	□	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	.600	TOP	10.000	9.000
SC0029	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
SC0015	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1,2	.600	TOP	10.000	9.000
YC00F7	◇	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1,2	.600	TOP	10.000	5.000
SC0042	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2	.600	TOP	10.000	5.000

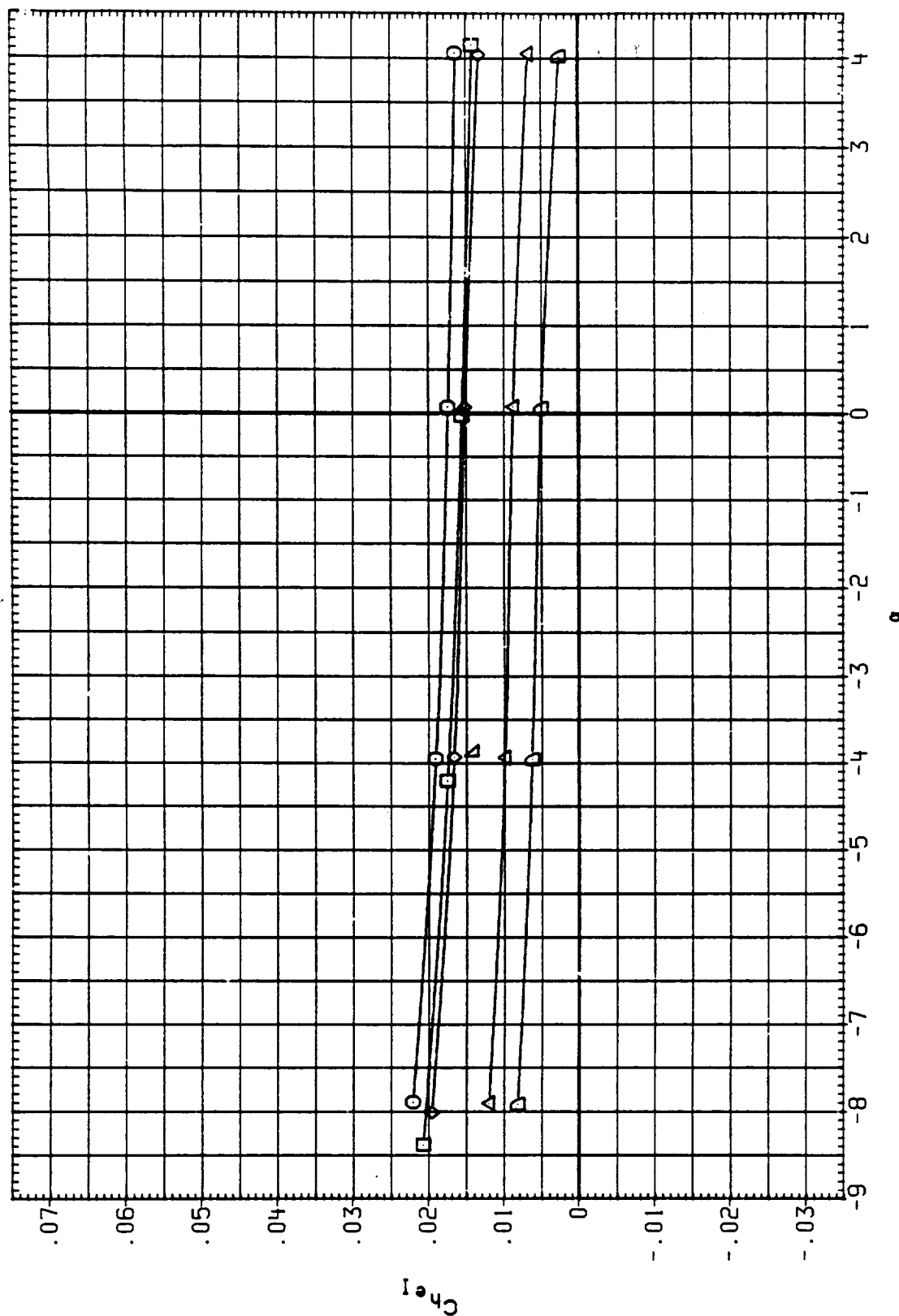


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	LEVEL	LEVEL
SC00E4	1A613A(AEDC 161F-829) B/L OT * RSRH, PLUMES OFF	.600	TOP	9.000
SC0001	1A613A(AEDC 161F-829) OT(1000R OFF)*RSRH, PLU. OFF	.600	TOP	9.000
SC0029	1A613A(AEDC 161F-829) B/L OT * ASRH, PLUMES OFF	.600	TOP	9.000
SC0015	1A613A(AEDC 161F-829) B/L OT * RSRH+PLUMES S1.2	.600	TOP	9.000
YC00F7	1A613A(AEDC 161F-829) OT(1000R OFF)*RSRH * S1.2	.600	TOP	9.000
SC0042	1A613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1.2	.600	TOP	9.000

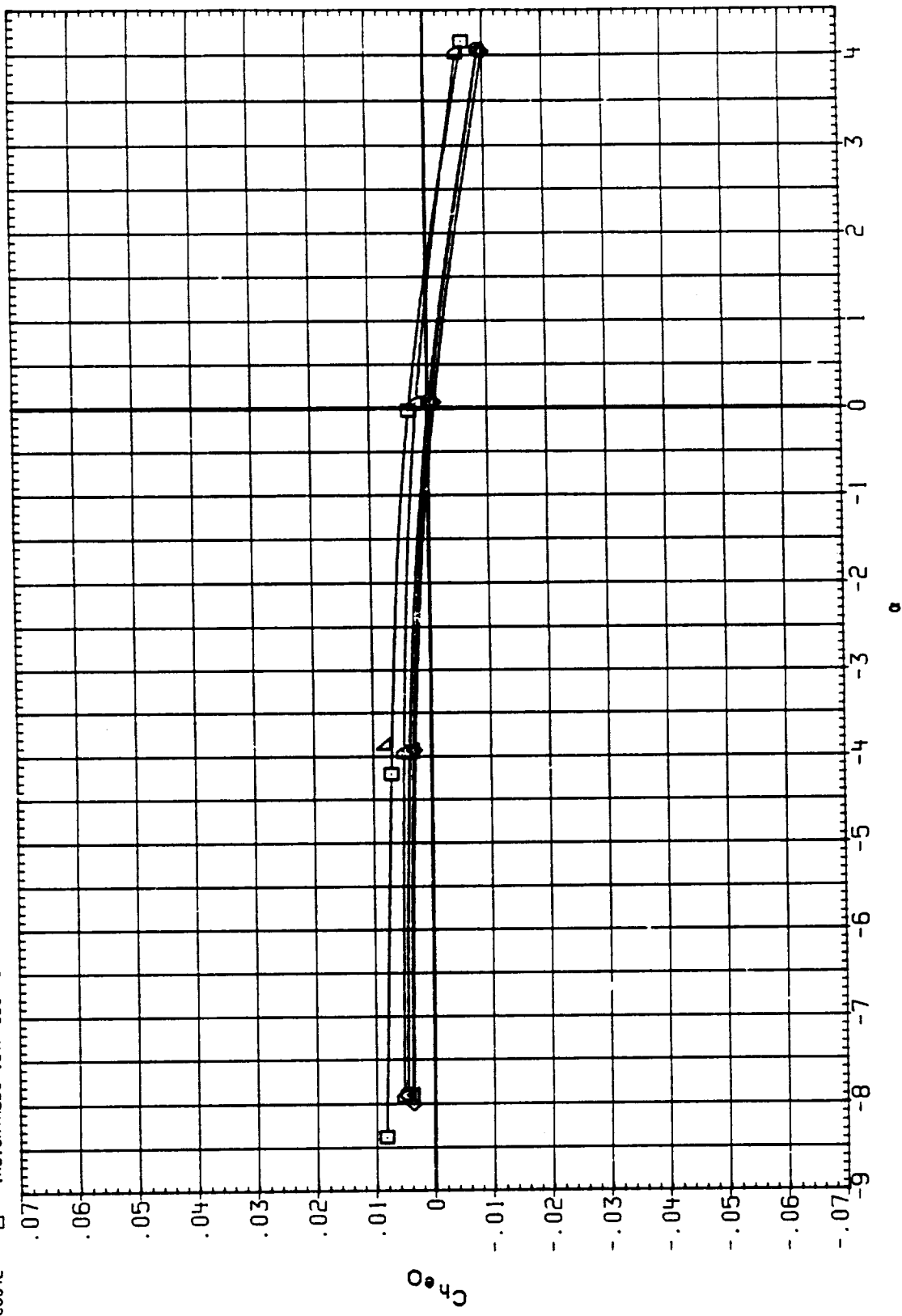


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

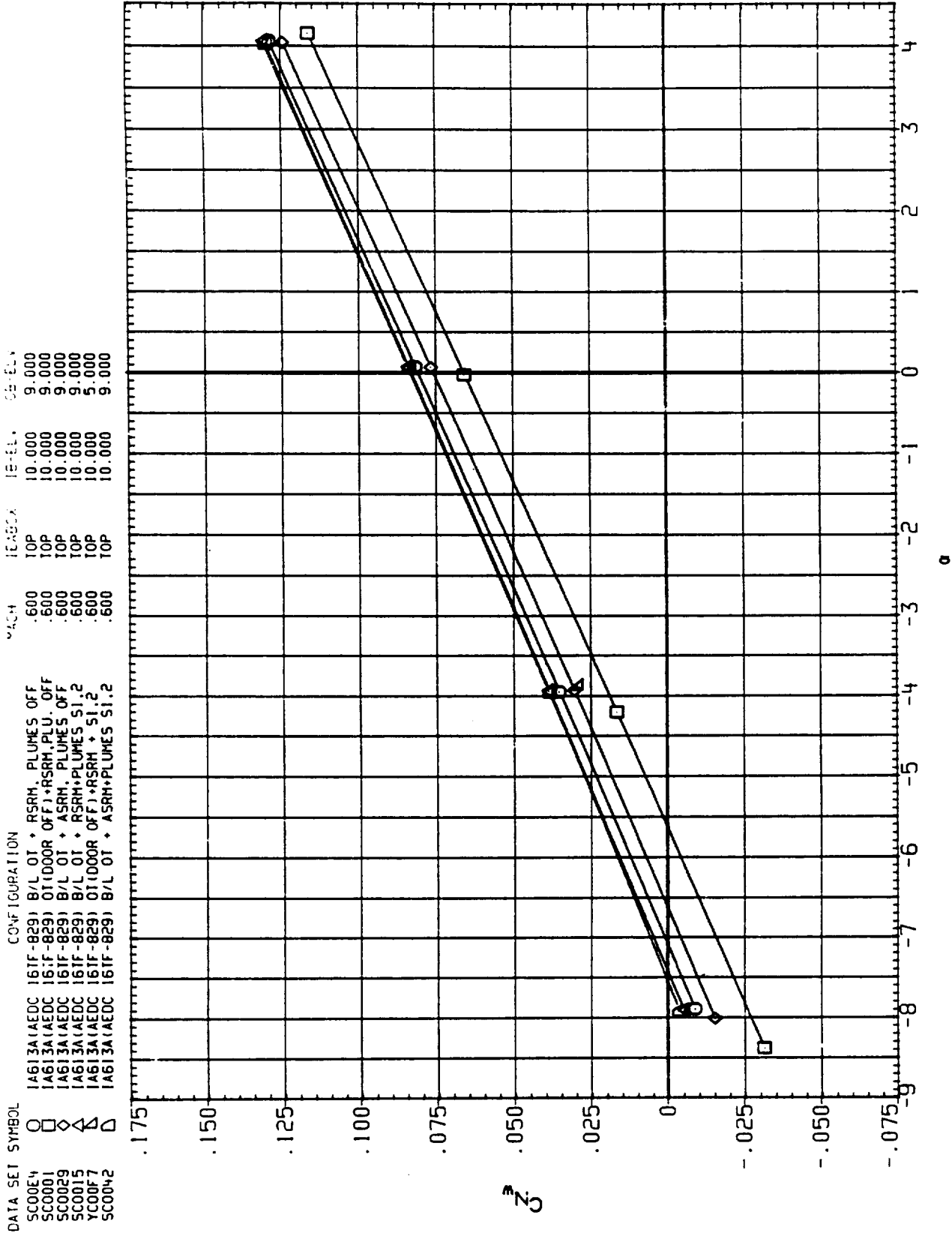


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E4	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
SC0001	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	.600	TOP	10.000	9.000
SC0029	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
SC0015	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	.600	TOP	10.000	9.000
YC00F7	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + S1.2	.600	TOP	10.000	5.000
SC00N2	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	.600	TOP	10.000	9.000

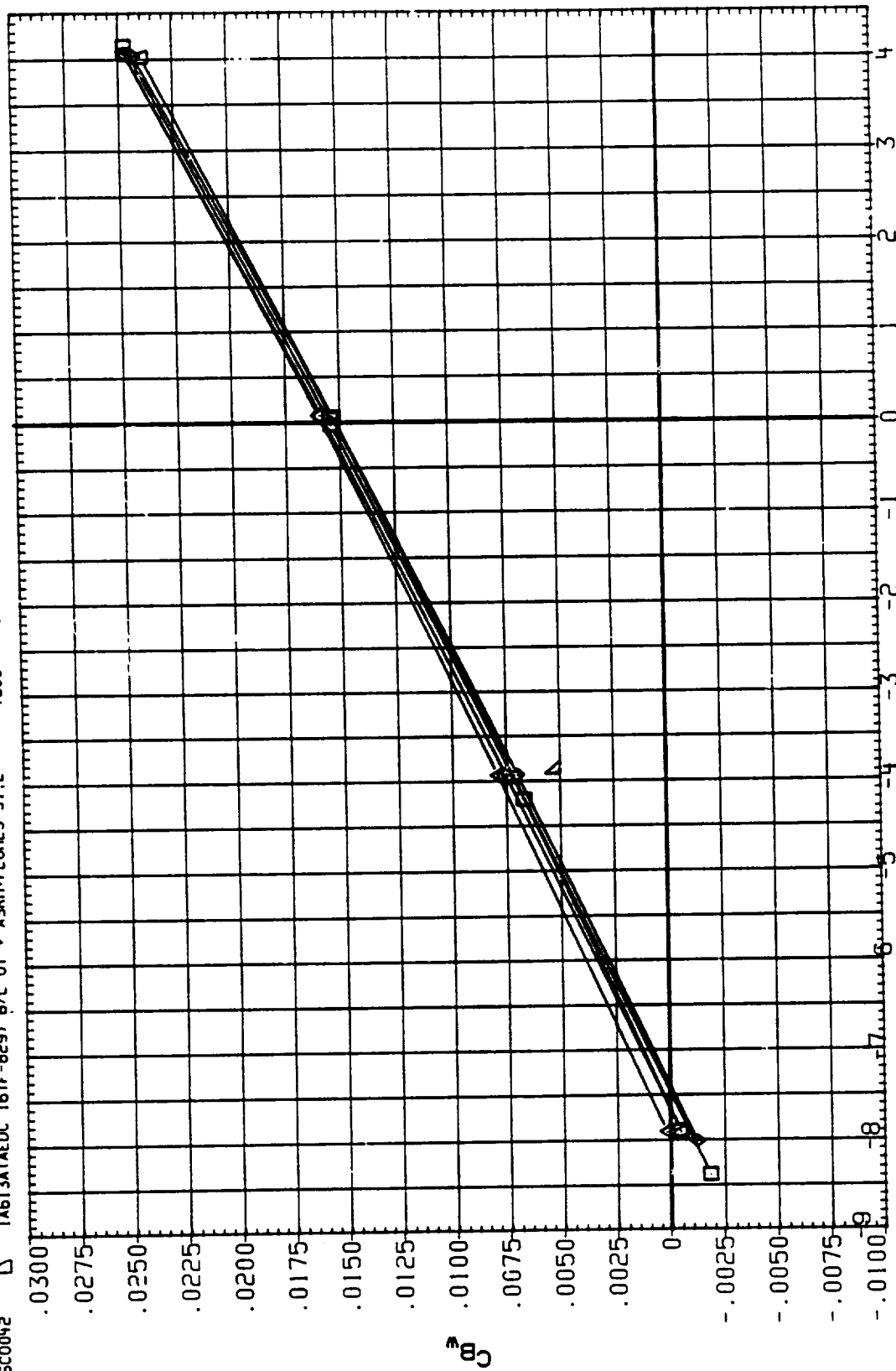


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

550



(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	REARBOX	REARFL	REARLEV
SC00E5	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	◇	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	△	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	.800	TOP	10.000	9.000
YC00F8	△	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM + S1.2	.800	TOP	10.000	5.000
SC00H3	△	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	.800	TOP	10.000	9.000

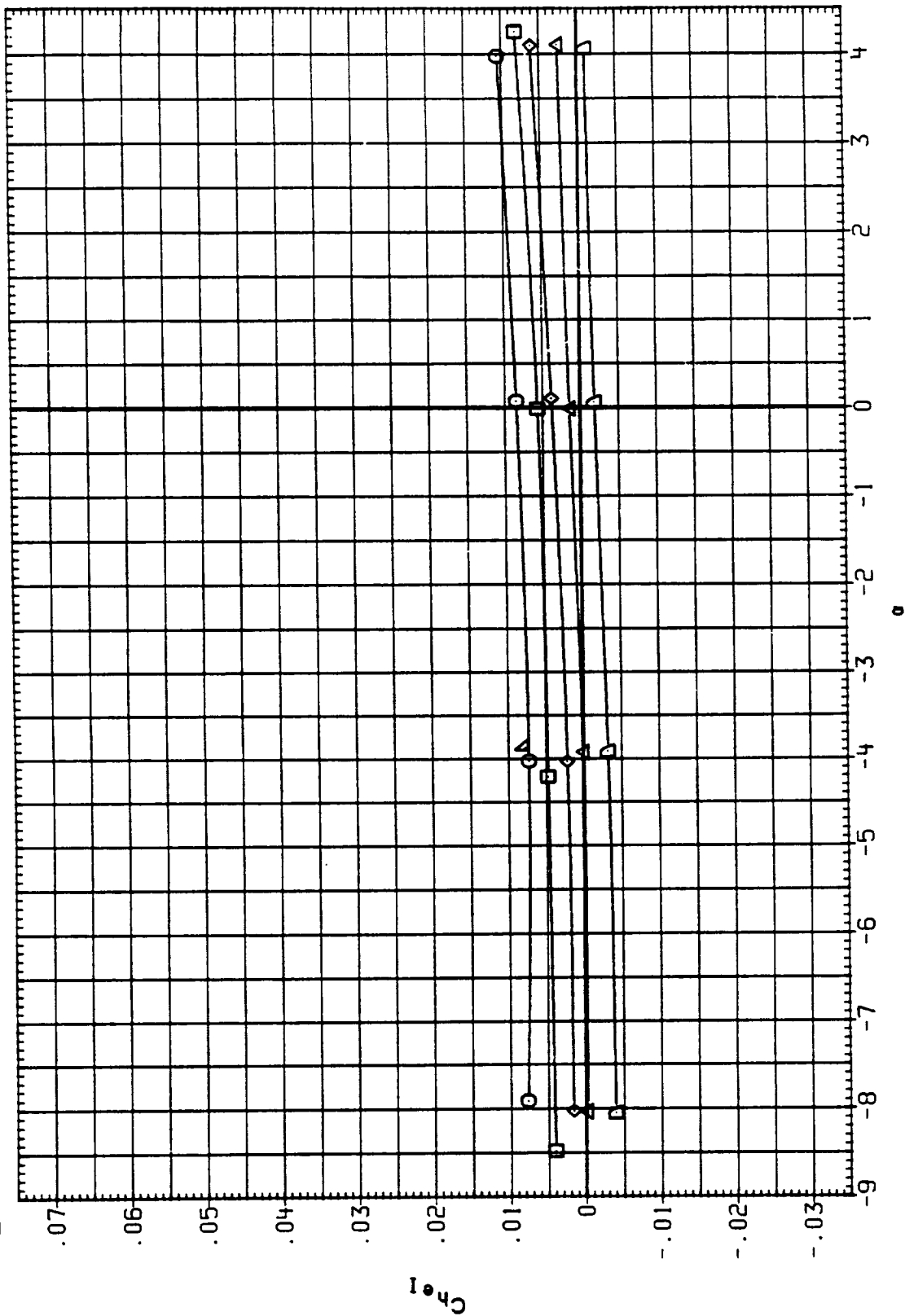


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MAIN	REASON	REPLY	REPLY
SC0005	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	◇	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	.800	TOP	10.000	9.000
SC0030	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES ST.2	.800	TOP	10.000	9.000
YC0008	◇	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + ST.2	.800	TOP	10.000	5.000
SC0003	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	.800	TOP	10.000	9.000

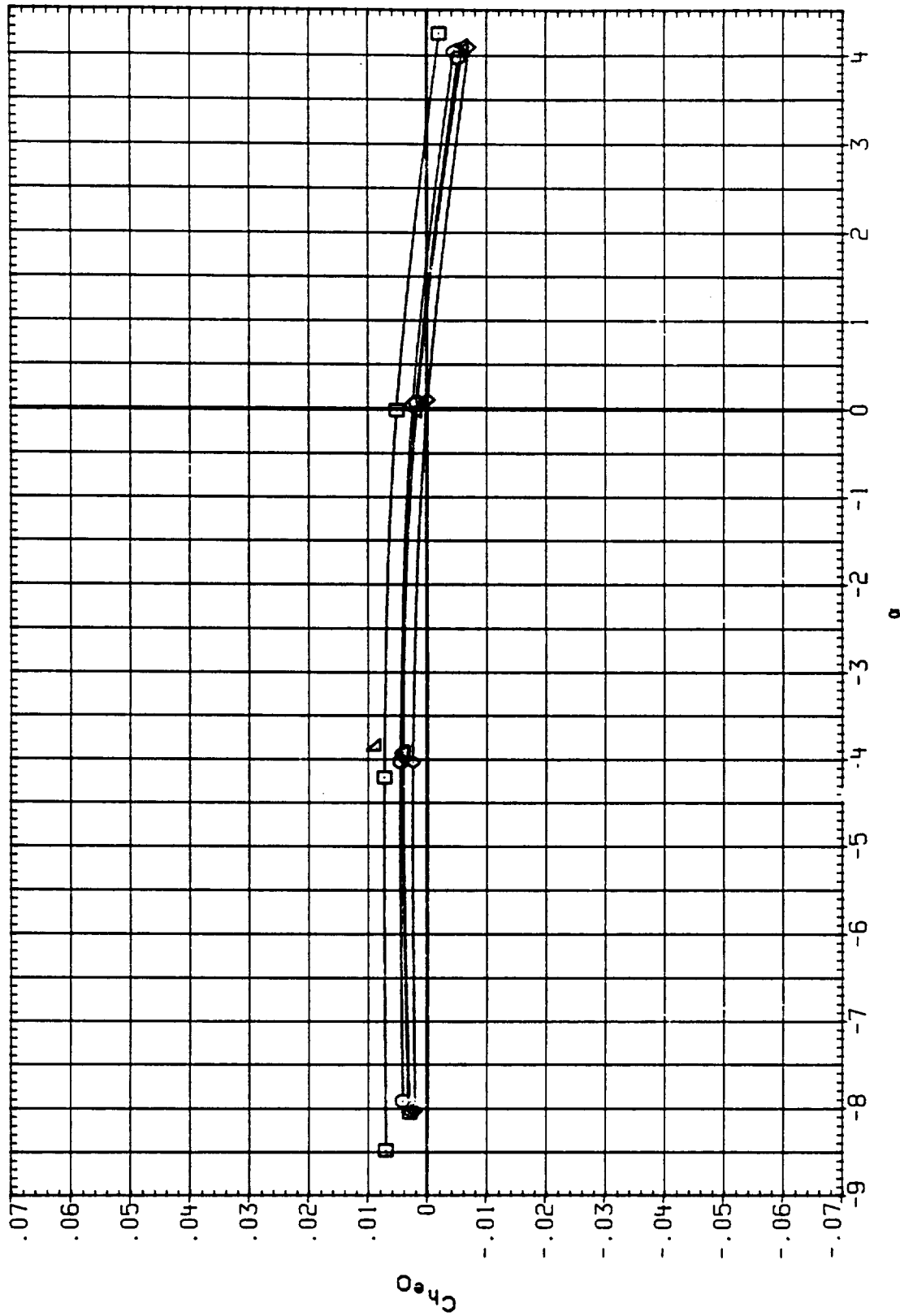


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	HEADX	HEADY	HEADZ
SC0005	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	◇	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	△	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES SI.2	.800	TOP	10.000	9.000
YC0008	△	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM + SI.2	.800	TOP	10.000	5.000
SC00N3	△	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES SI.2	.800	TOP	10.000	9.000

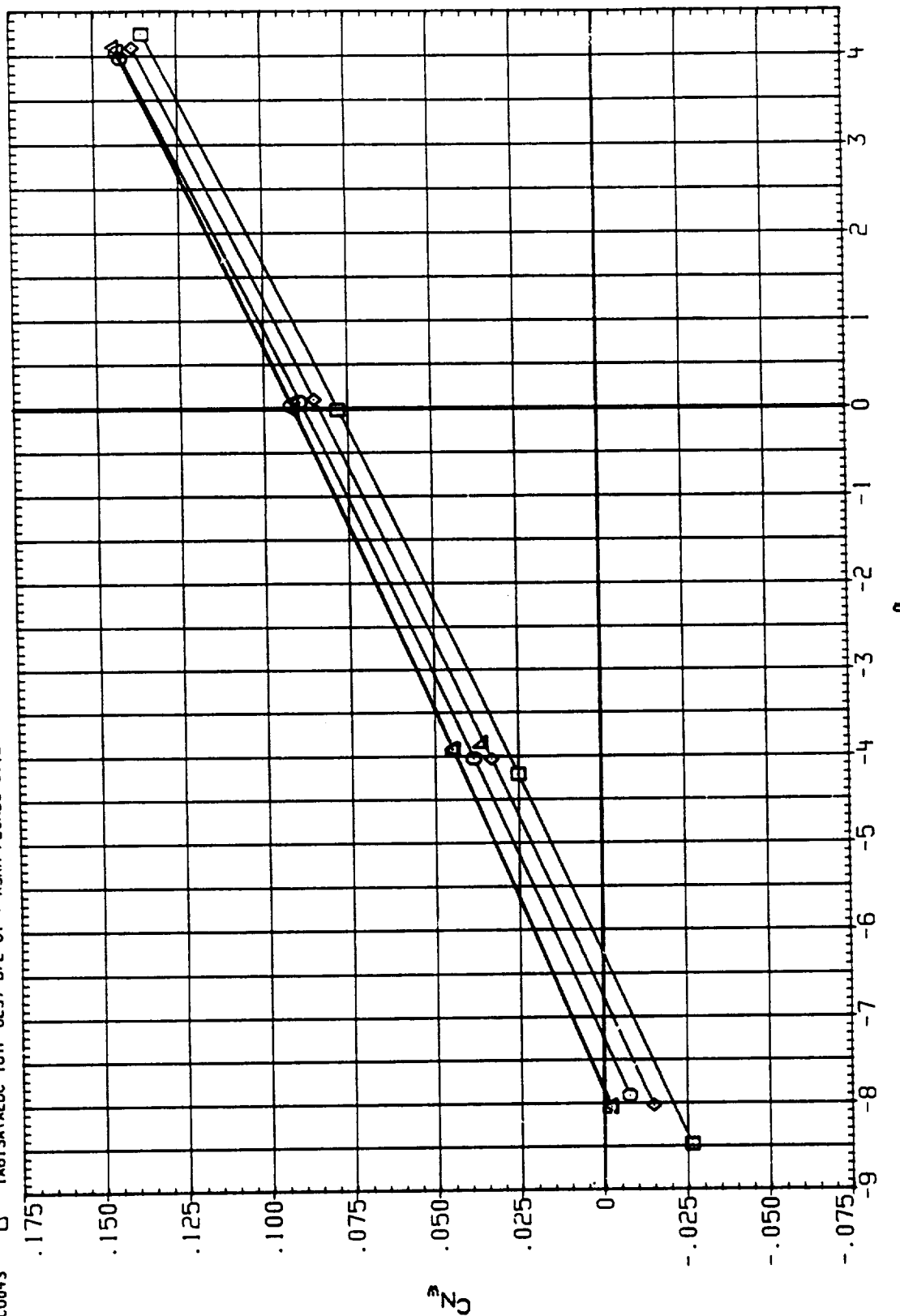


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IS-ELV	OS-ELV
SC0005	IA613AIAEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	IA613AIAEDC 161F-829) OT1000R OFF) +RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	IA613AIAEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	IA613AIAEDC 161F-829) B/L OT + RSRM, PLUMES SI.2	.800	TOP	10.000	9.000
YC00F8	IA613AIAEDC 161F-829) OT1000R OFF) +RSRM + SI.2	.800	TOP	10.000	5.000
SC00H3	IA613AIAEDC 161F-829) B/L OT + ASRM, PLUMES SI.2	.800	TOP	10.000	9.000

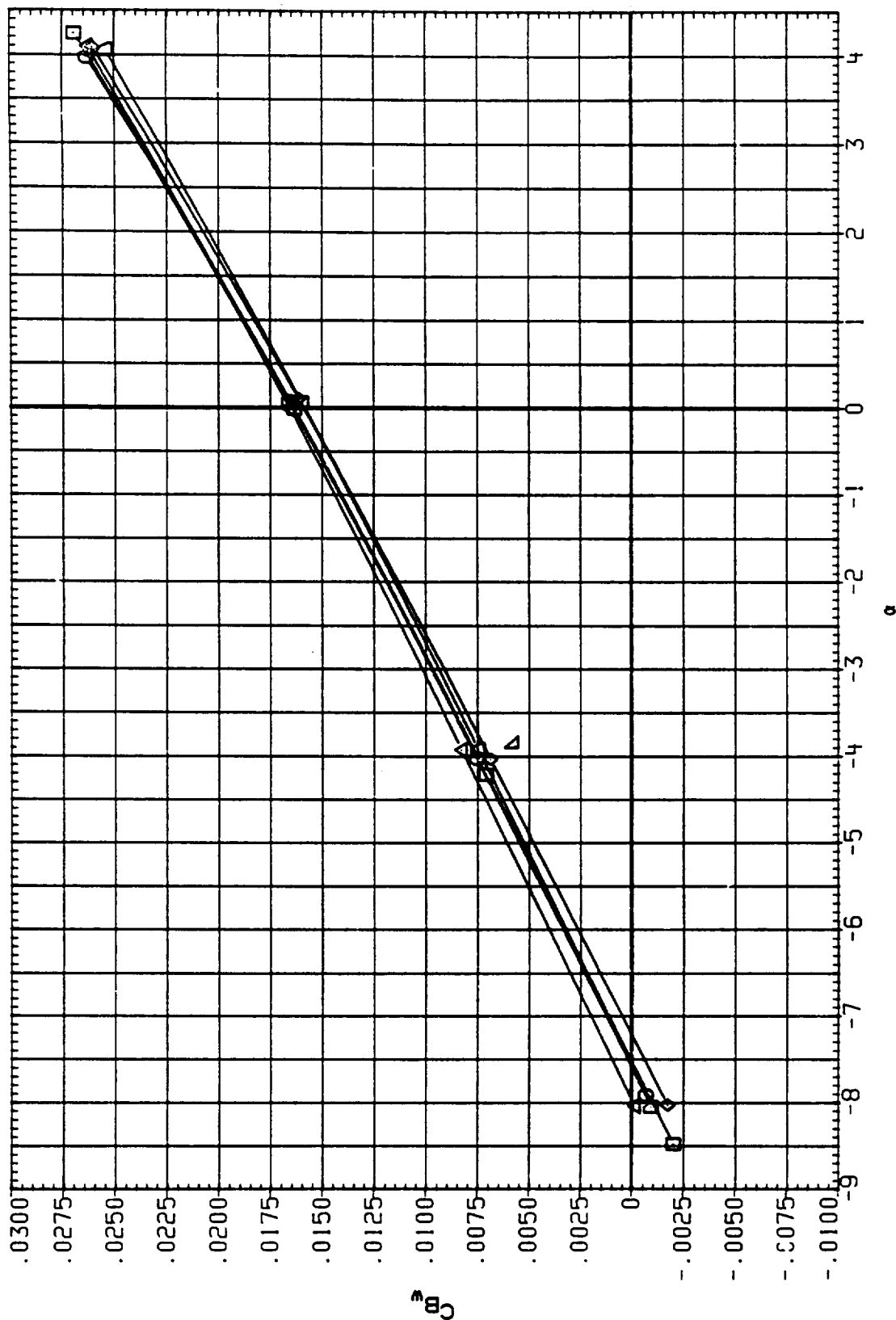


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	HEADX	HEADY	CELEV
SC00E5	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	◇	IA613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	△	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	.800	TOP	10.000	9.000
YC00F8	◇	IA613A(AEDC 161F-829) OT1000R OFF + RSRM + S1.2	.800	TOP	10.000	5.000
SC0043	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	.800	TOP	10.000	9.000

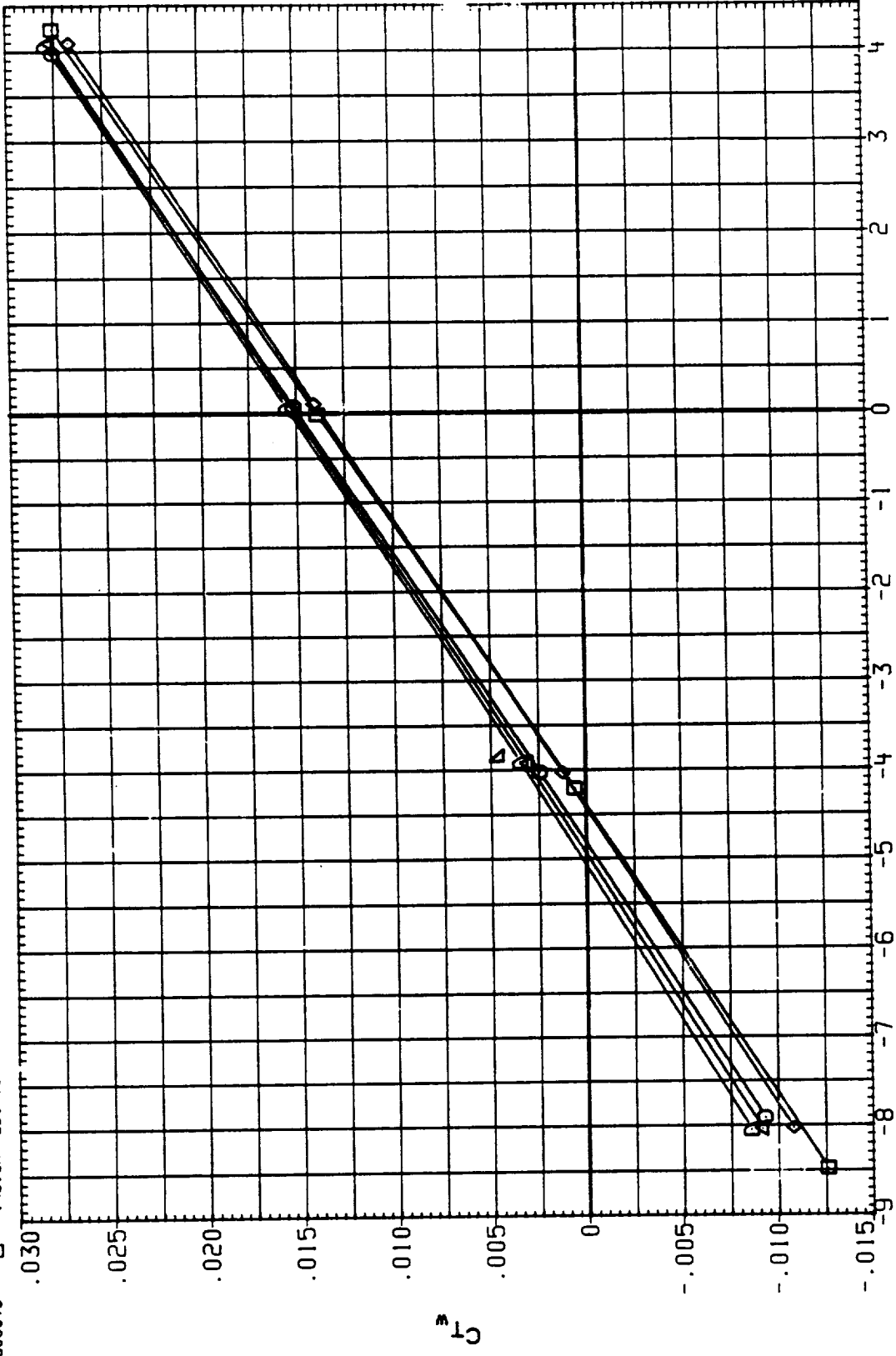


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OS-ELV
SC0006	□	IAGI 3A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0003	◇	IAGI 3A1AEDC 16TF-829) OT1000R OFF) + RSRM, PLU. OFF	.900	TOP	10.000	9.000
SC0031	◇	IAGI 3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0017	△	IAGI 3A1AEDC 16TF-829) B/L OT + RSRM, PLUMES 51.2	.900	TOP	10.000	5.000
YC00F9	◇	IAGI 3A1AEDC 16TF-829) OT1000R OFF) + RSRM + 51.2	.900	TOP	10.000	9.000
SC0044	◇	IAGI 3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.900	TOP	10.000	9.000

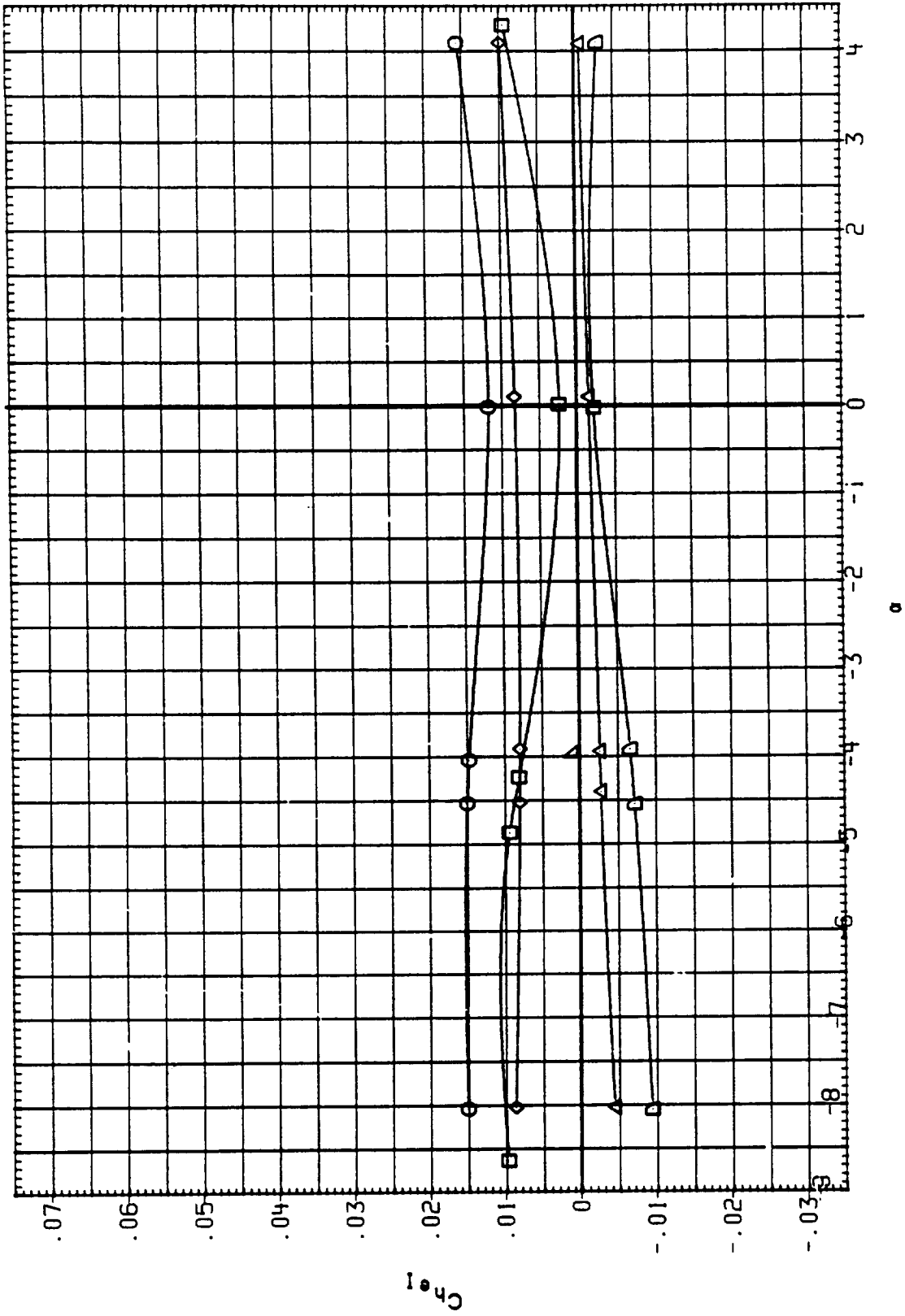


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

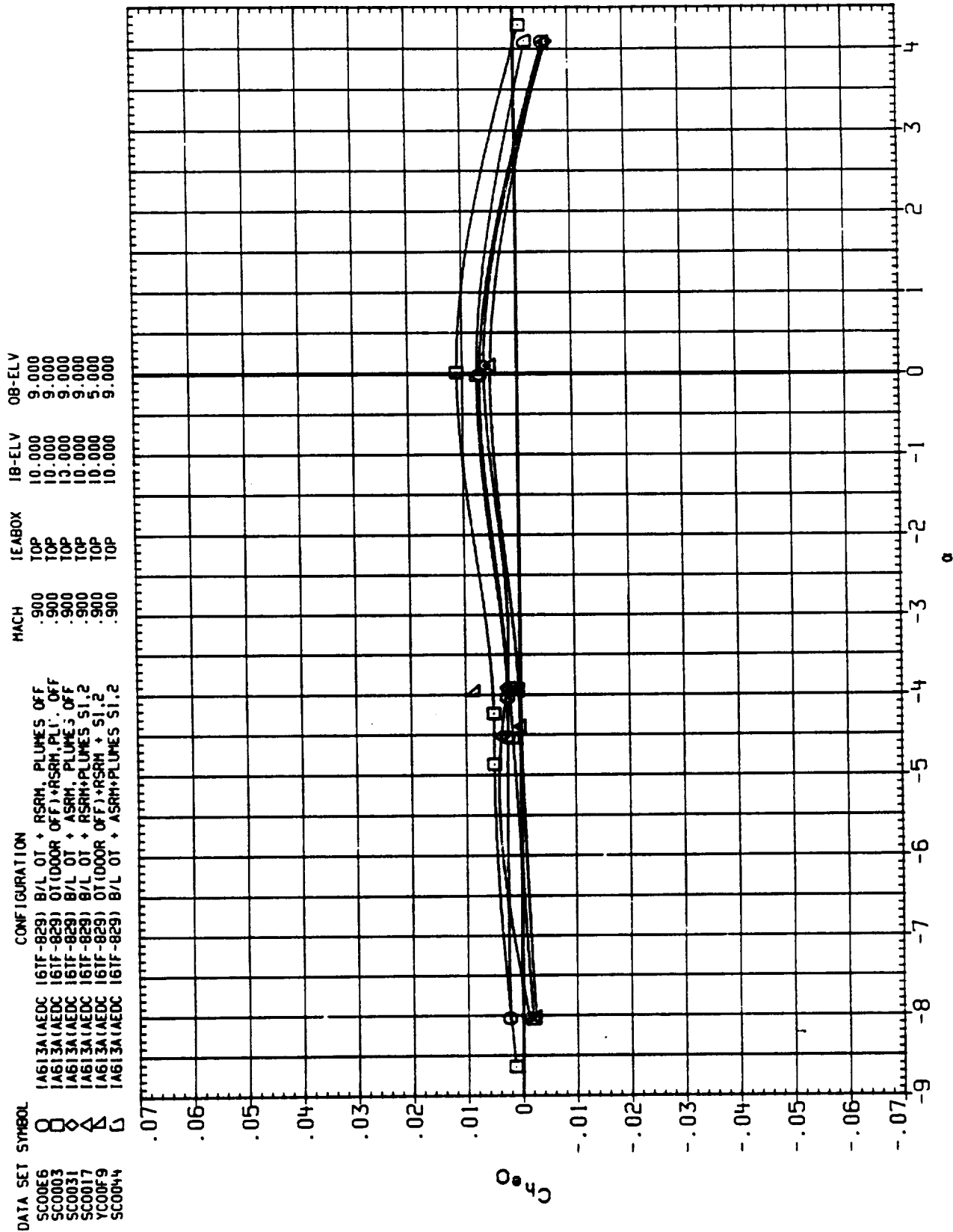


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E6	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0003	◇	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	.900	TOP	10.000	9.000
SC0031	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0017	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
YC00F9	◇	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + S1.2	.900	TOP	10.000	5.000
SC0044	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

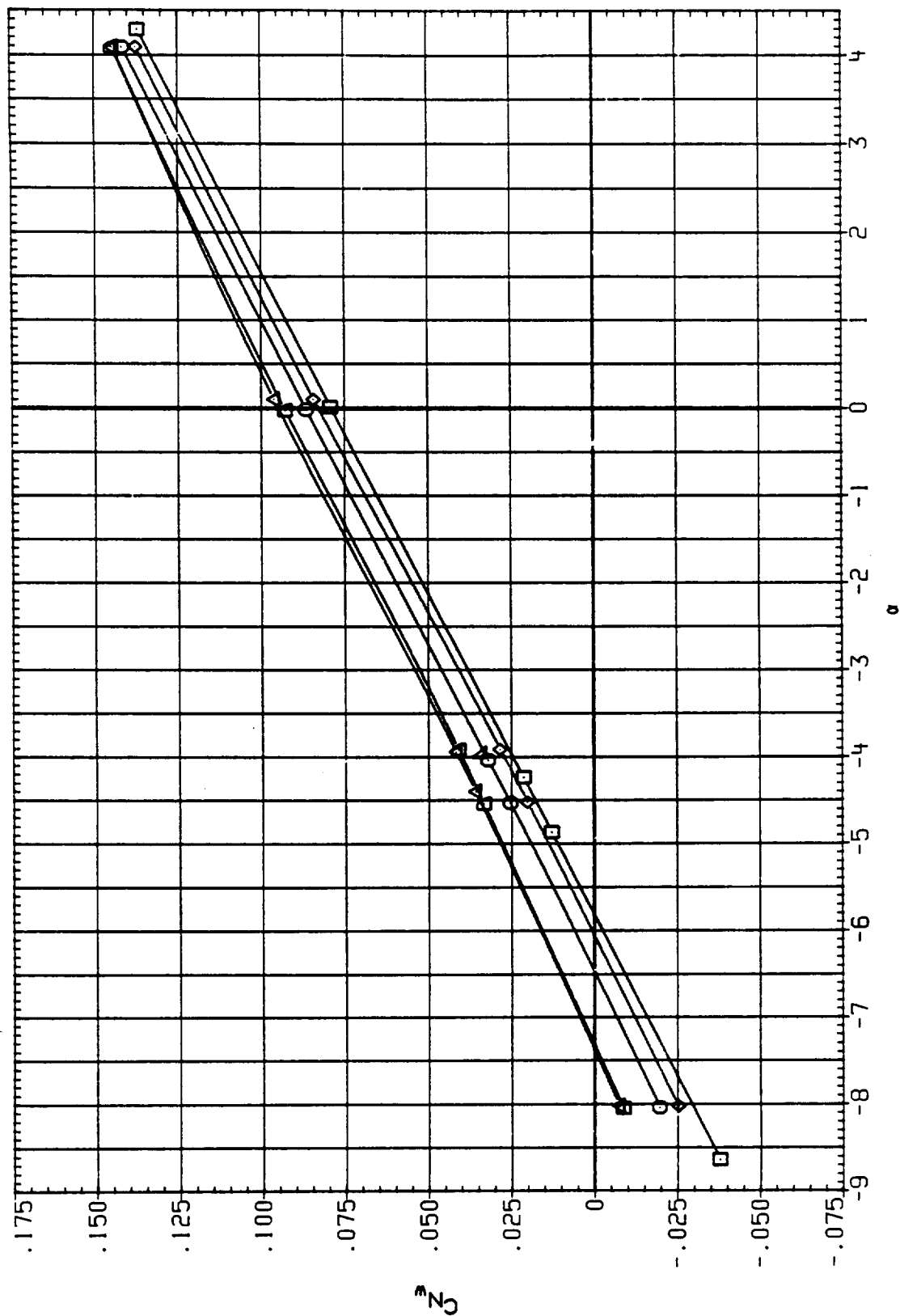


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

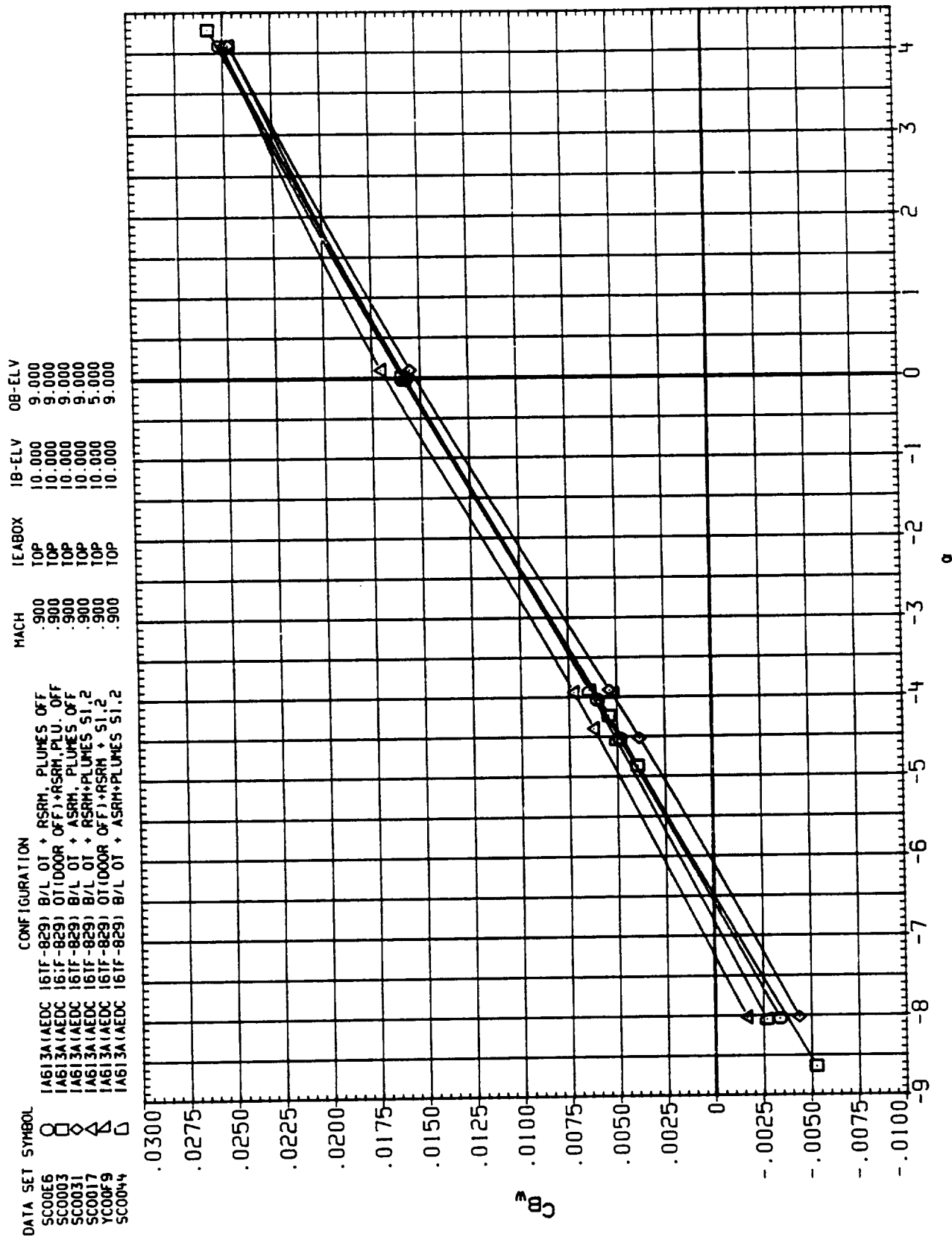


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

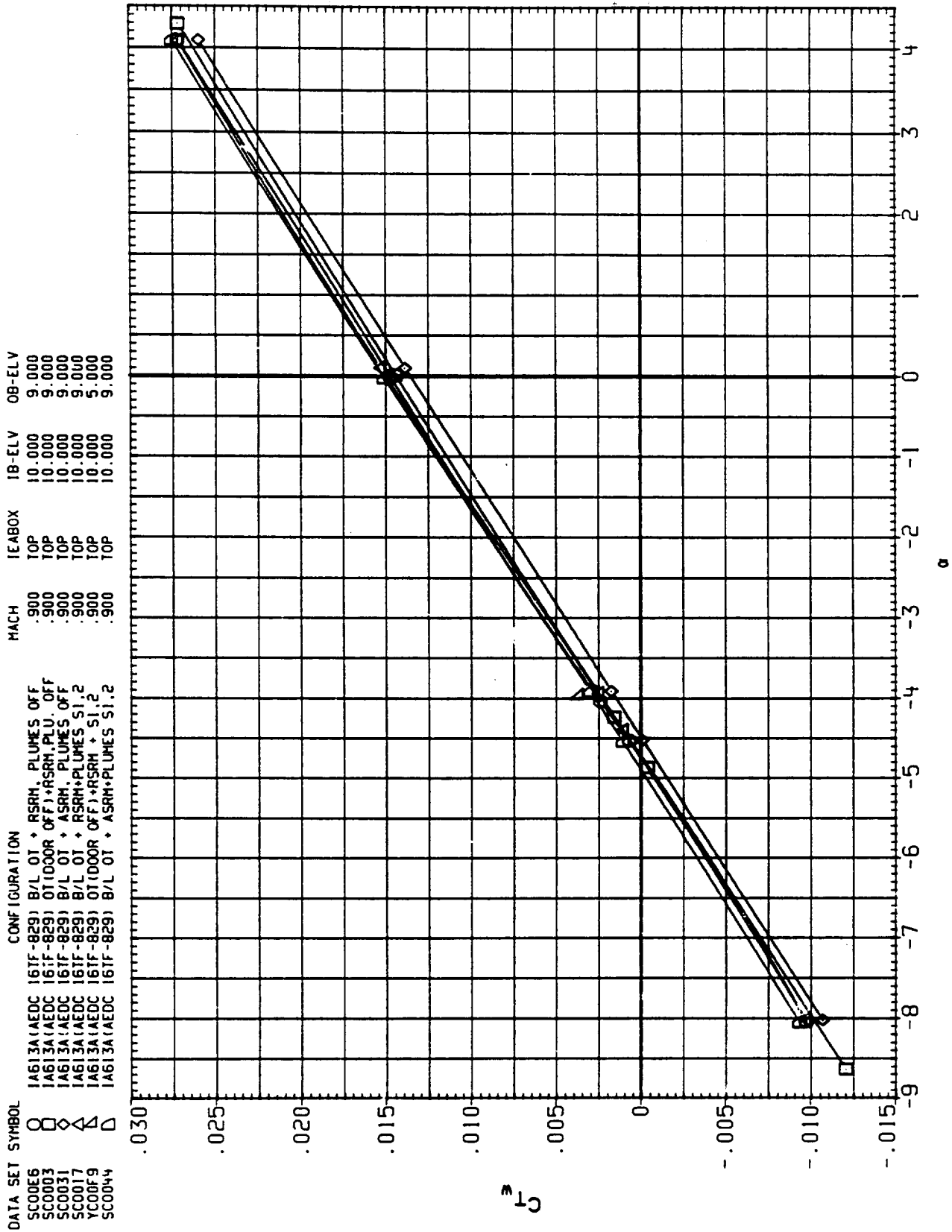


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0007	□	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	.950	TOP	10.000	9.000
SC0004	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRH,PLU. OFF	.950	TOP	10.000	9.000
SC0032	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	TOP	10.000	9.000
SC0018	△	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES S1.2	.950	TOP	10.000	5.000
YC0060	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRH + S1.2	.950	TOP	10.000	9.000
SC0005	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.950	TOP	10.000	9.000

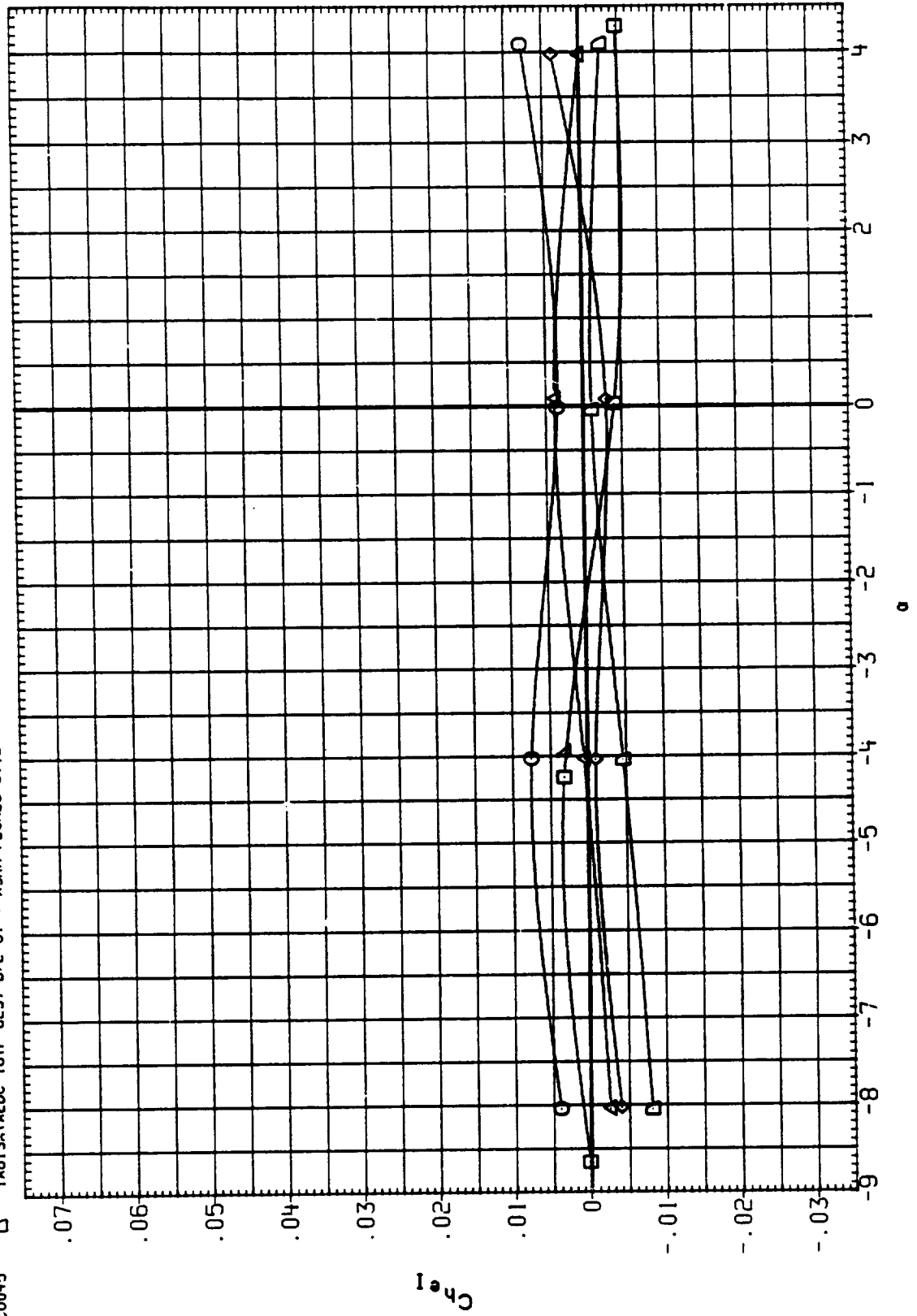


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

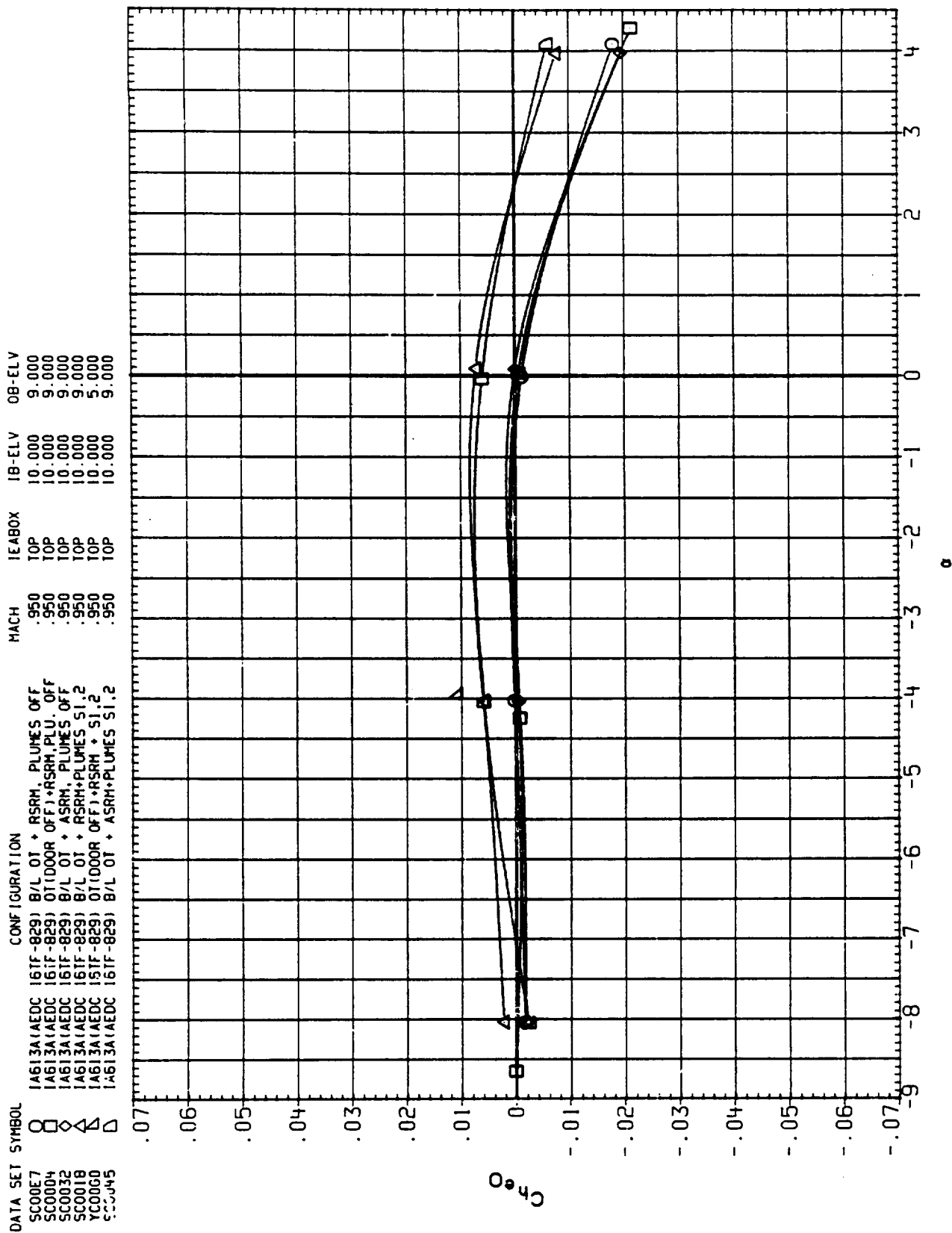


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

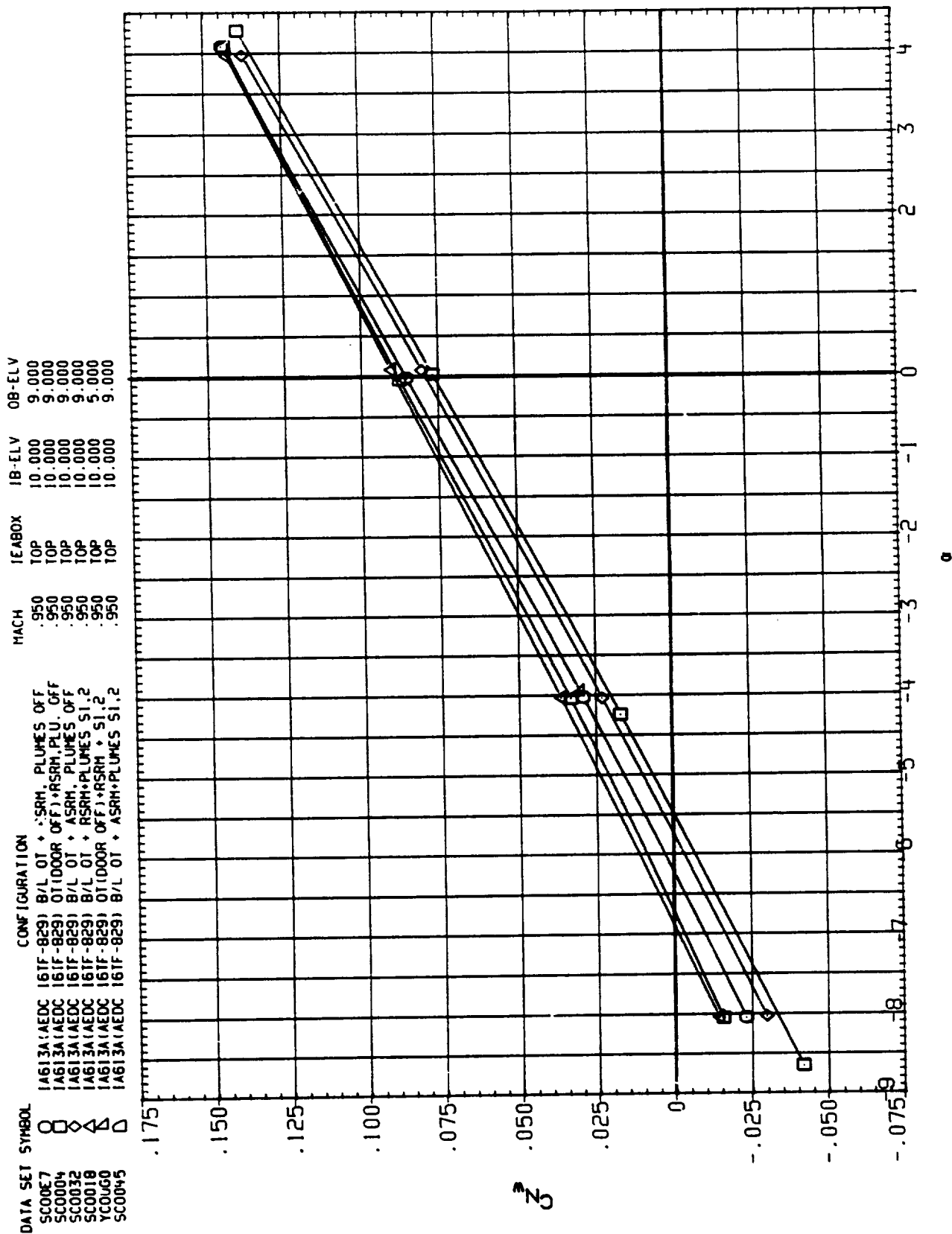


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

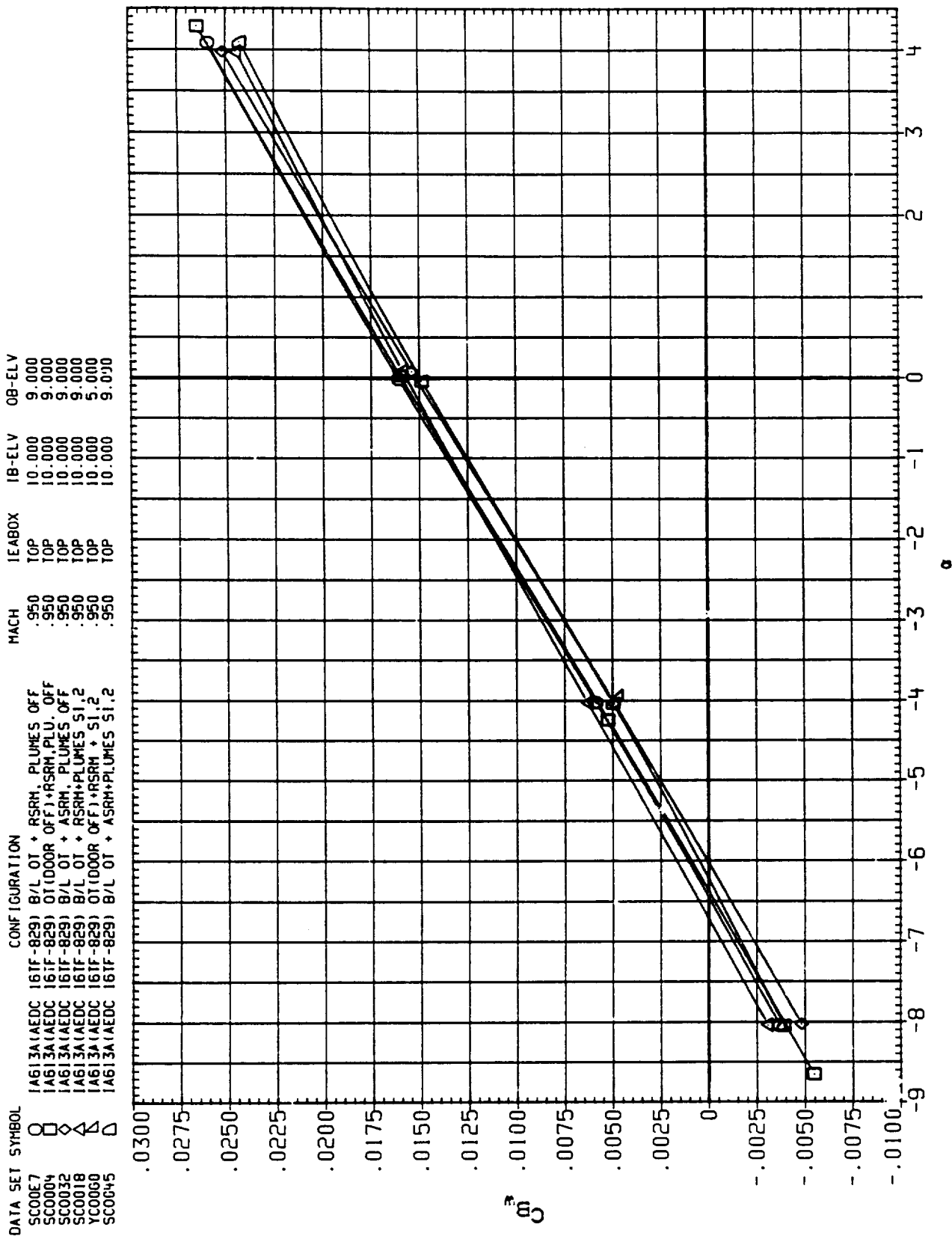


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

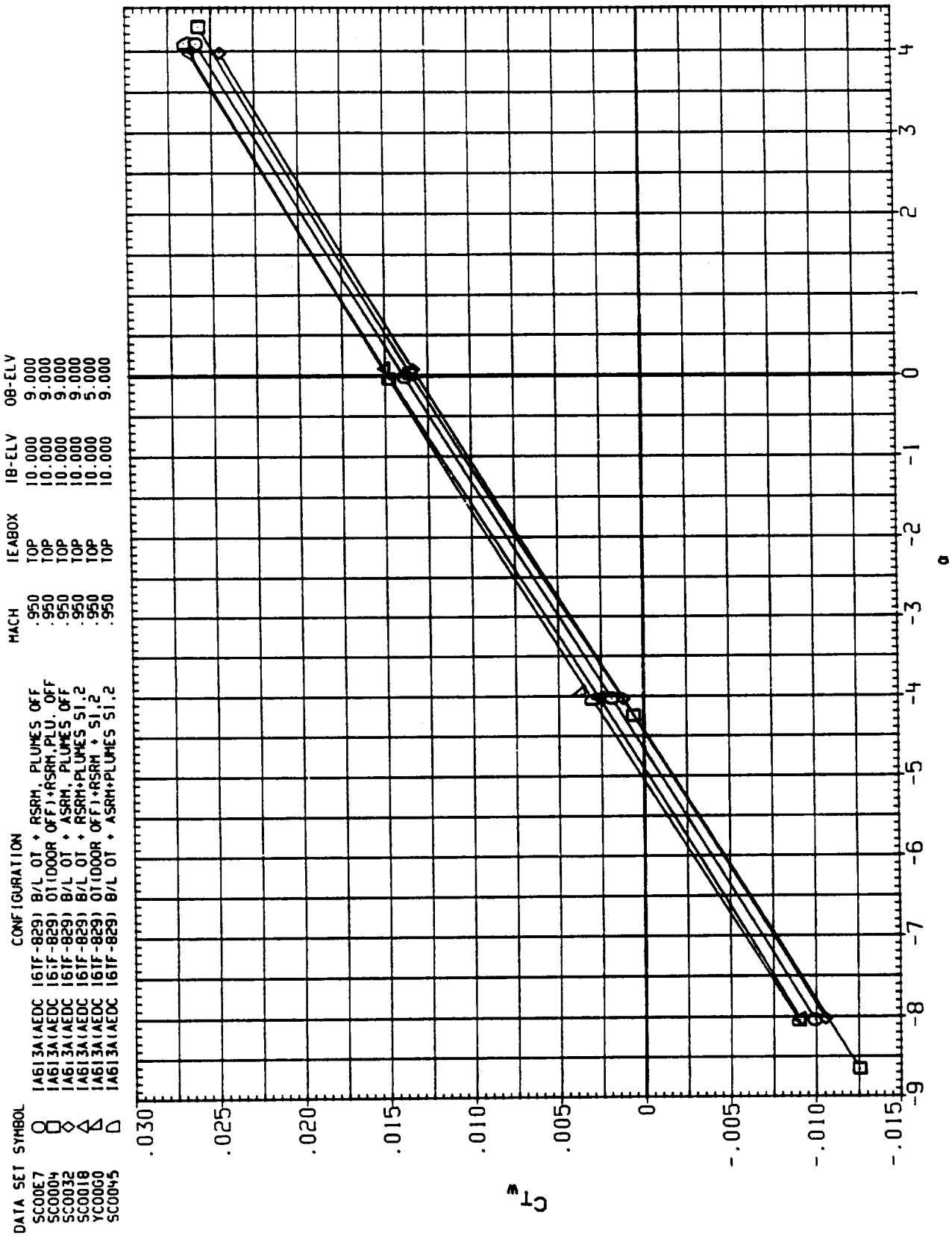


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E8	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0005	□	IA613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.050	TOP	10.000	9.000
SC0033	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0019	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
YC0001	◇	IA613A1AEDC 161F-829) OT1000R OFF + RSRM + S1.2	1.050	TOP	10.000	5.000
SC0046	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

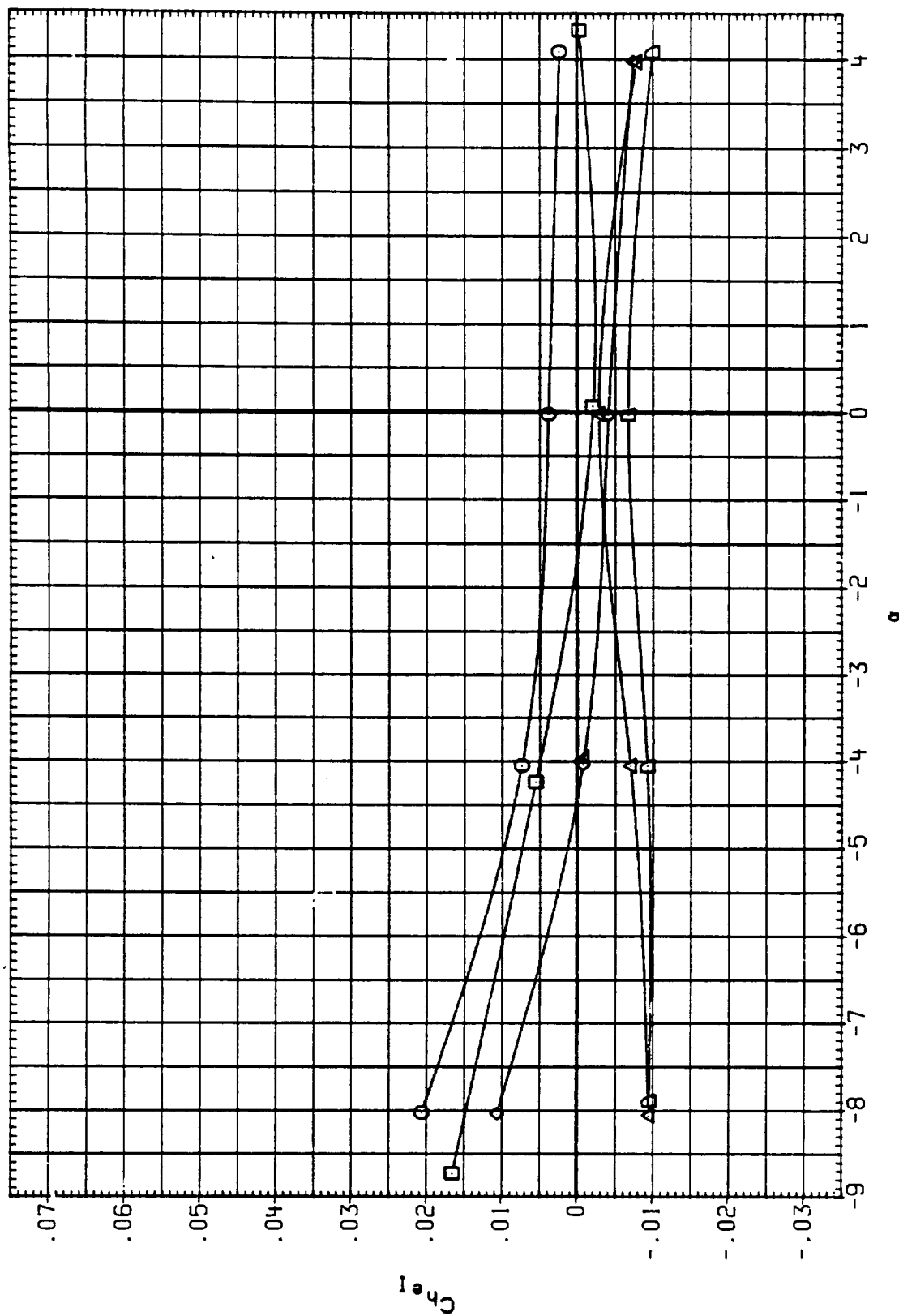


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

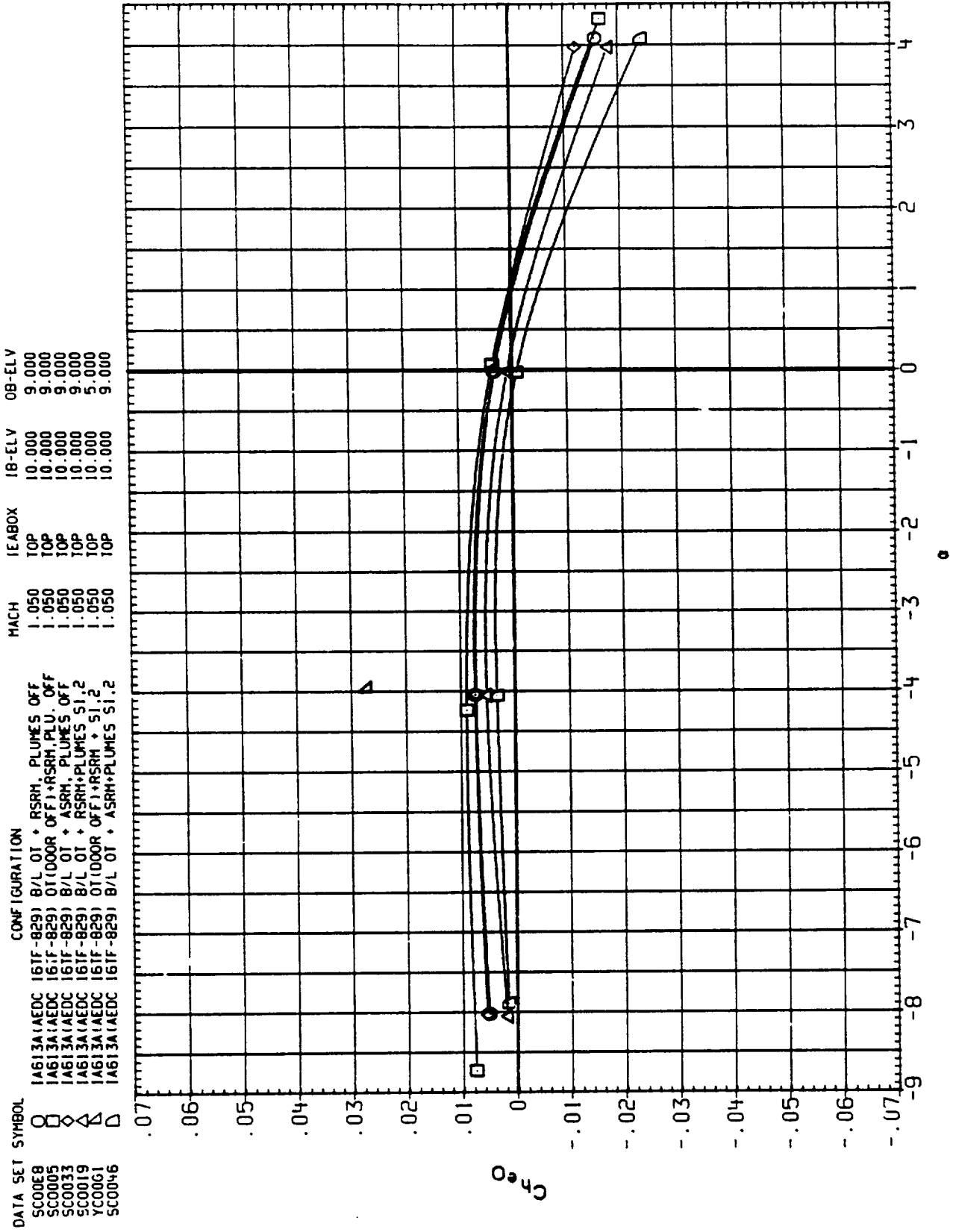


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

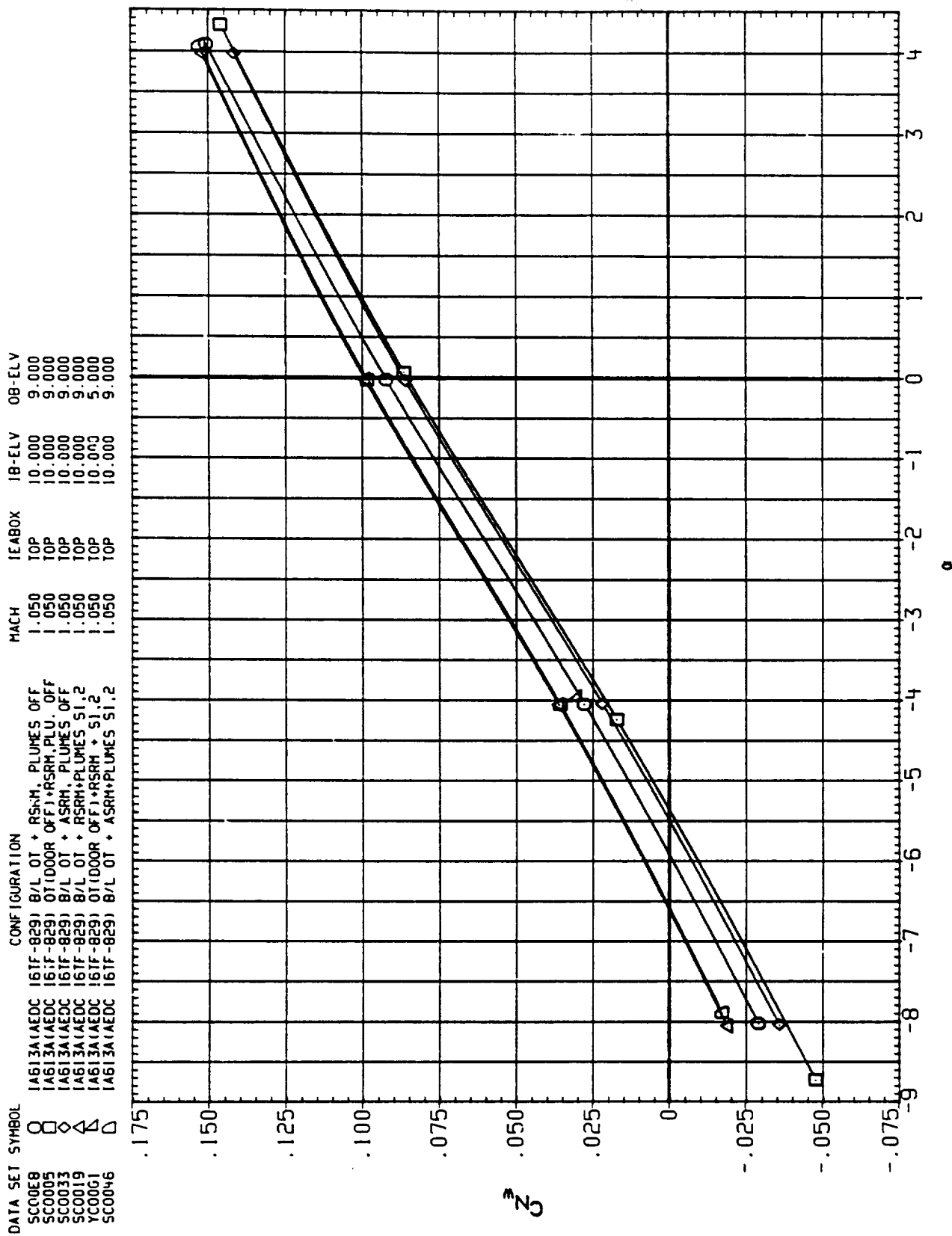


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E8	□	1A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0005	□	1A613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
SC0033	◇	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0019	△	1A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
YC00G1	△	1A613A(AEDC 161F-829) OT(1000R OFF)+RSRM + S1.2	1.050	TOP	10.000	5.000
SC0046	□	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

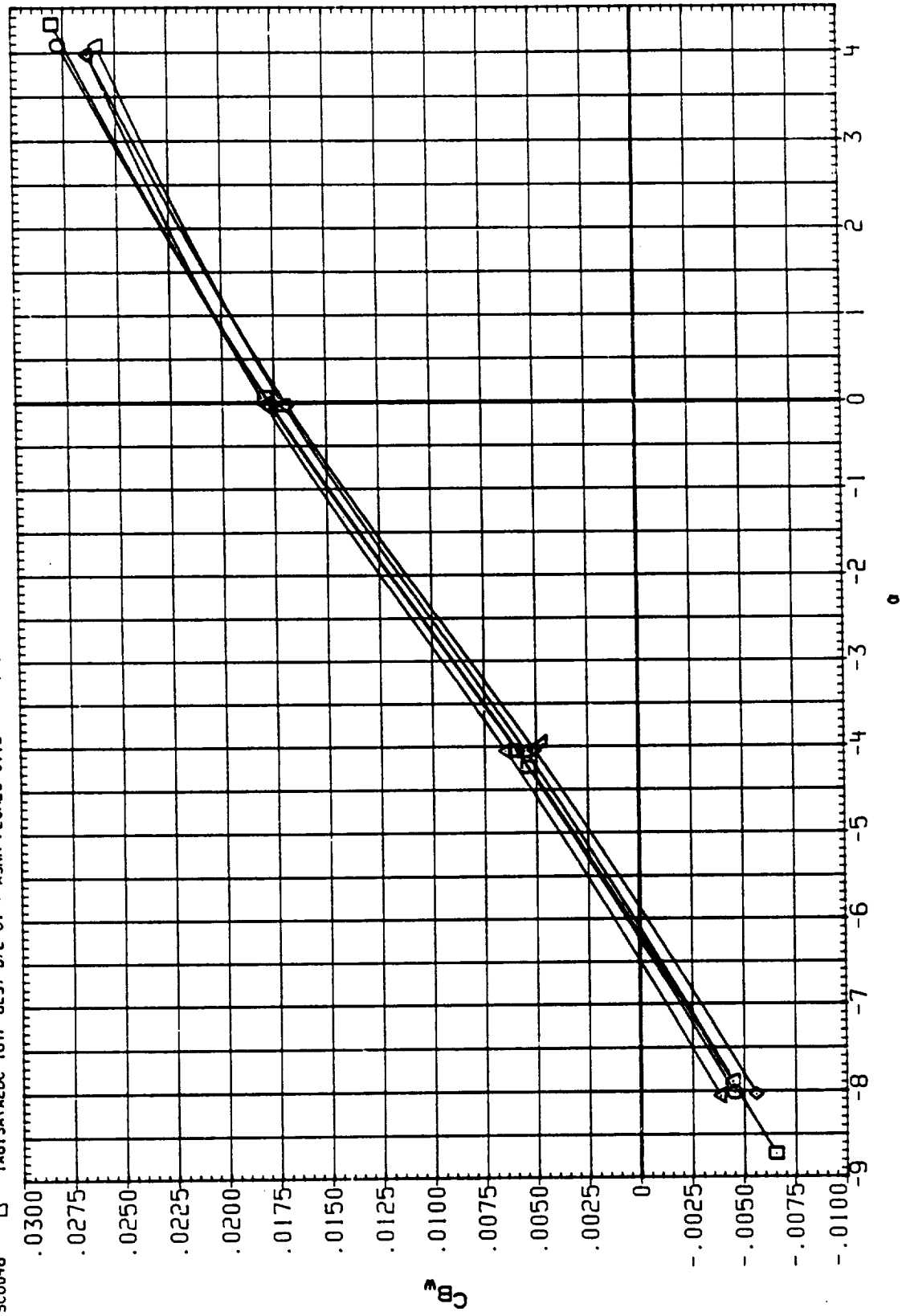


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS () BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0008	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0005	◇	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.050	TOP	10.000	9.000
SC0033	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0019	△	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	1.050	TOP	10.000	9.000
YC0061	◇	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + S1.2	1.050	TOP	10.000	5.000
SC0046	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.050	TOP	10.000	9.000

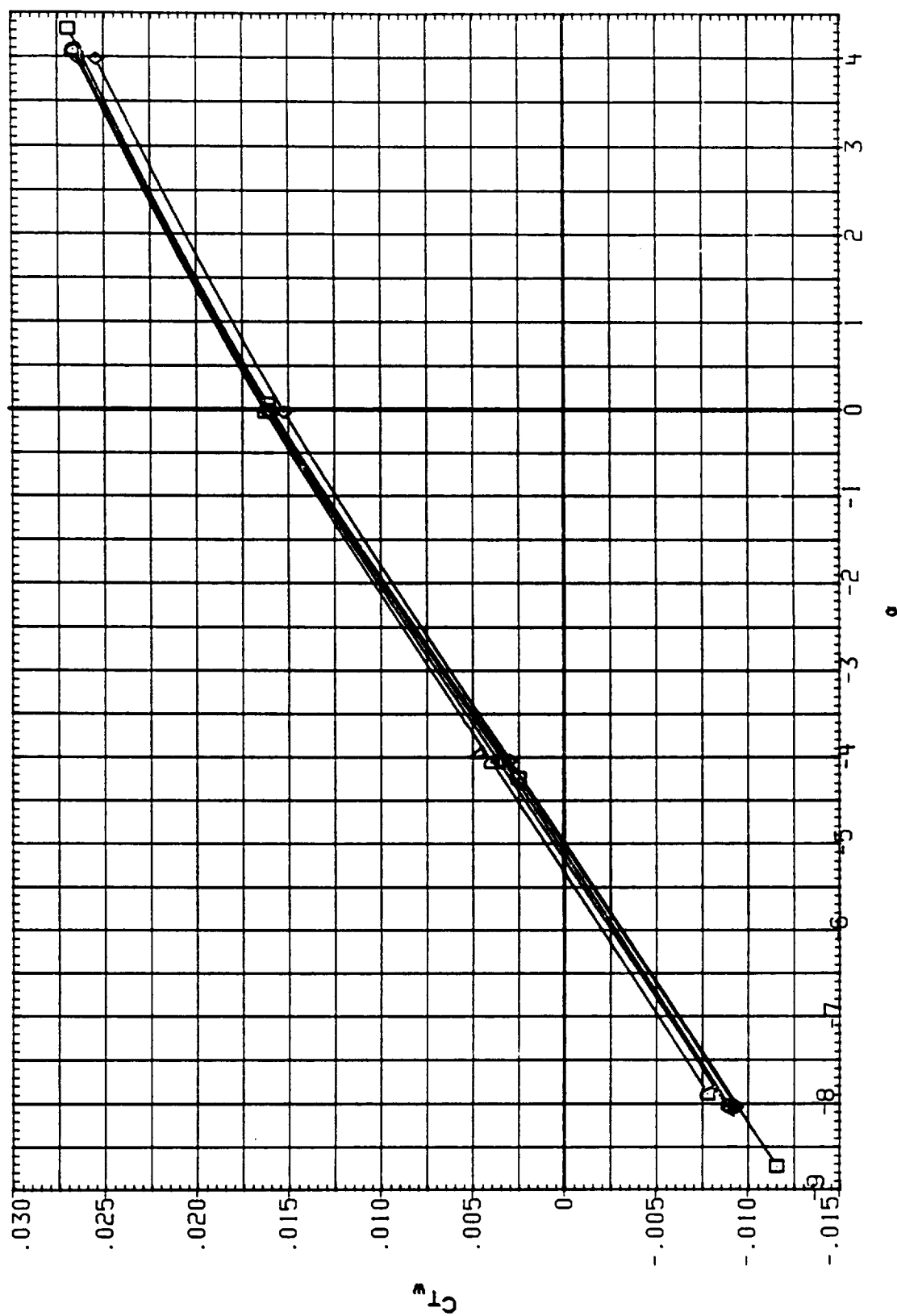


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1E-5CX	1E-5CY	1E-5CZ
SC00E9	○	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	□	1A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	△	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	◇	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES SI.2	1.100	TOP	10.000	9.000
YC00G2	△	1A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + SI.2	1.100	TOP	10.000	5.000
SC0047	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES SI.2	1.100	TOP	10.000	9.000

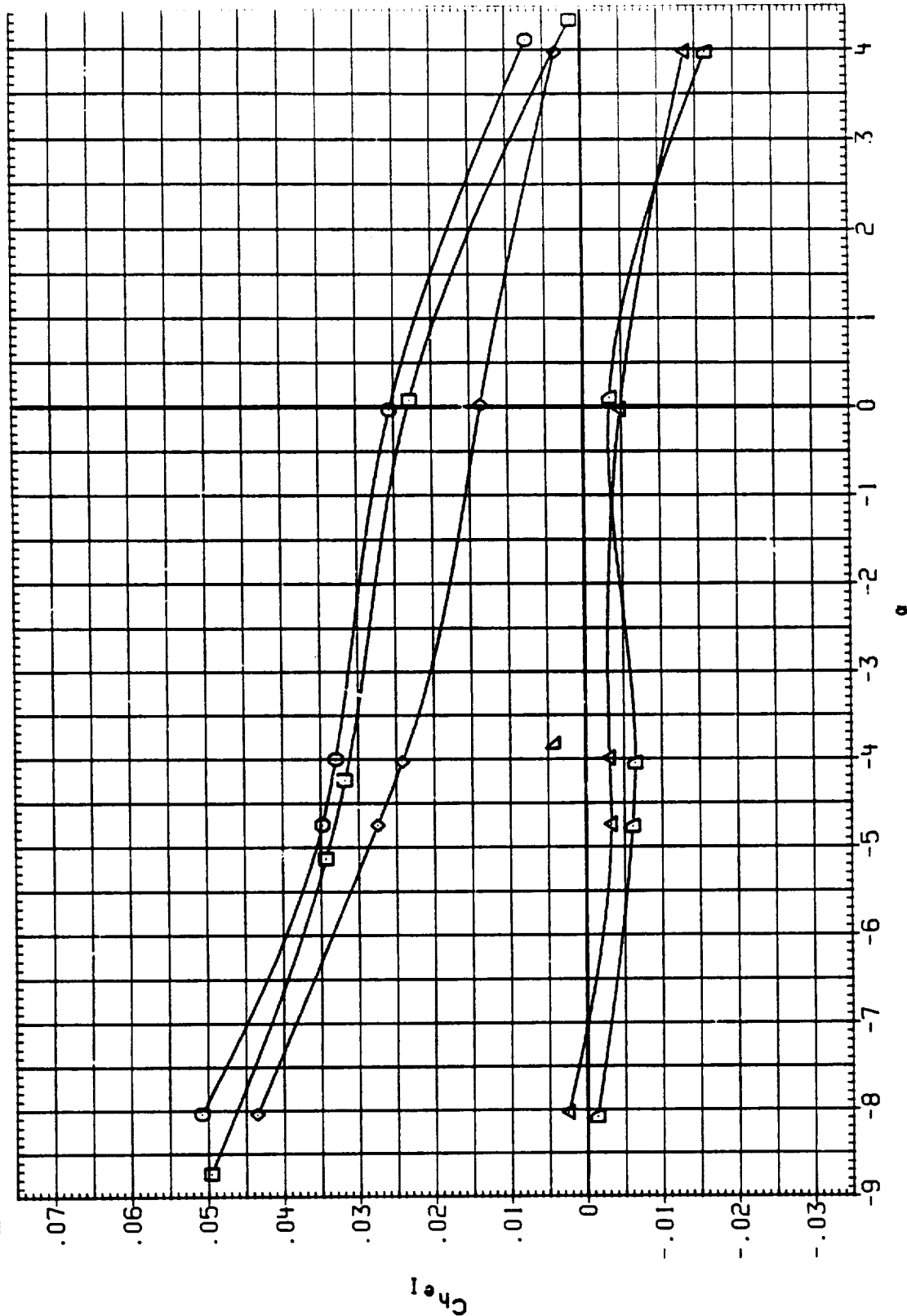


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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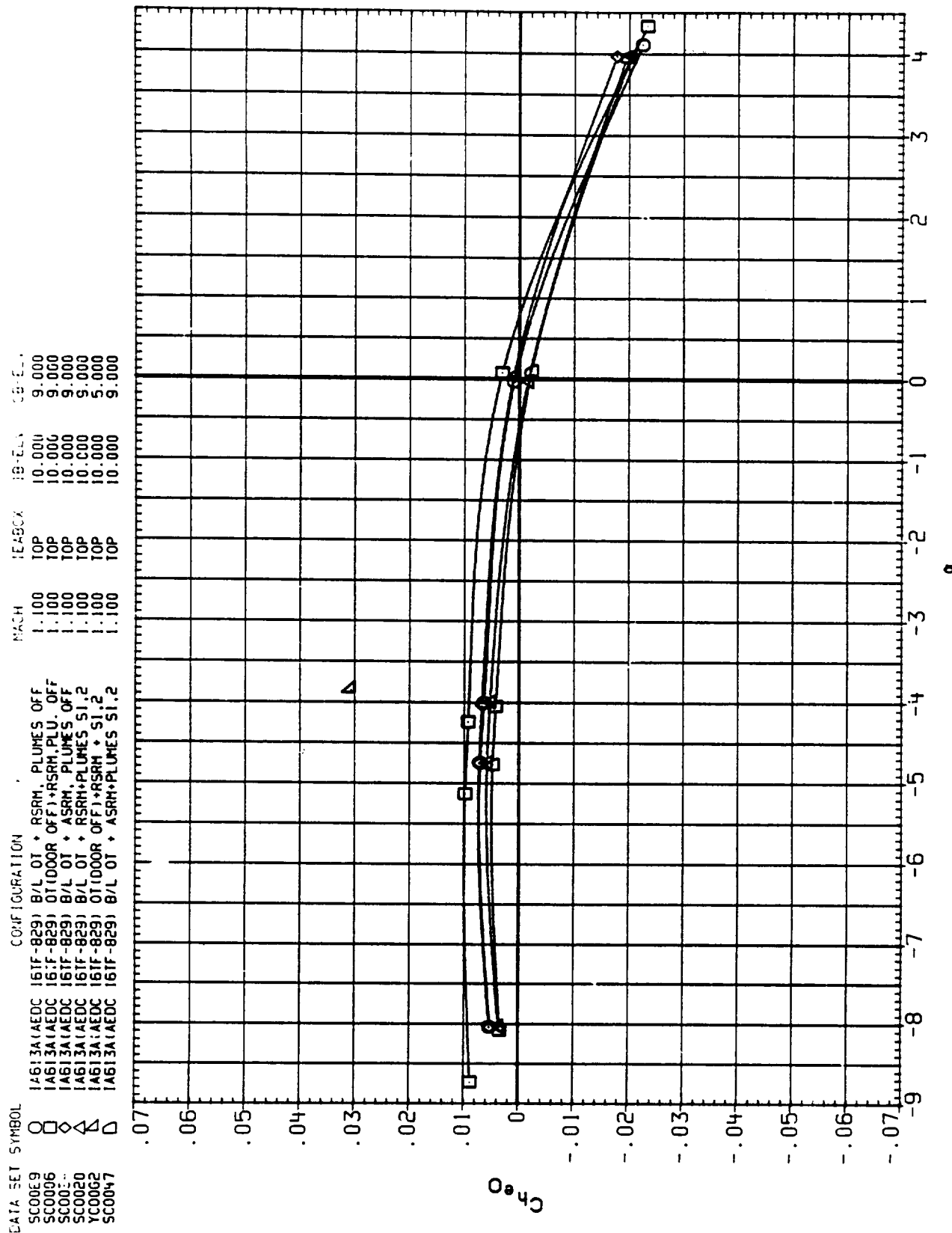


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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OF POOR QUALITY

DATA SET	SYMBOL	CONFIGURATION	MACH	1E-BOX	19-ELV	05-ELV
SC00E9	□	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	□	1A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	△	1A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
YC00G2	△	1A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.100	TOP	10.000	5.000
SC00N7	□	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

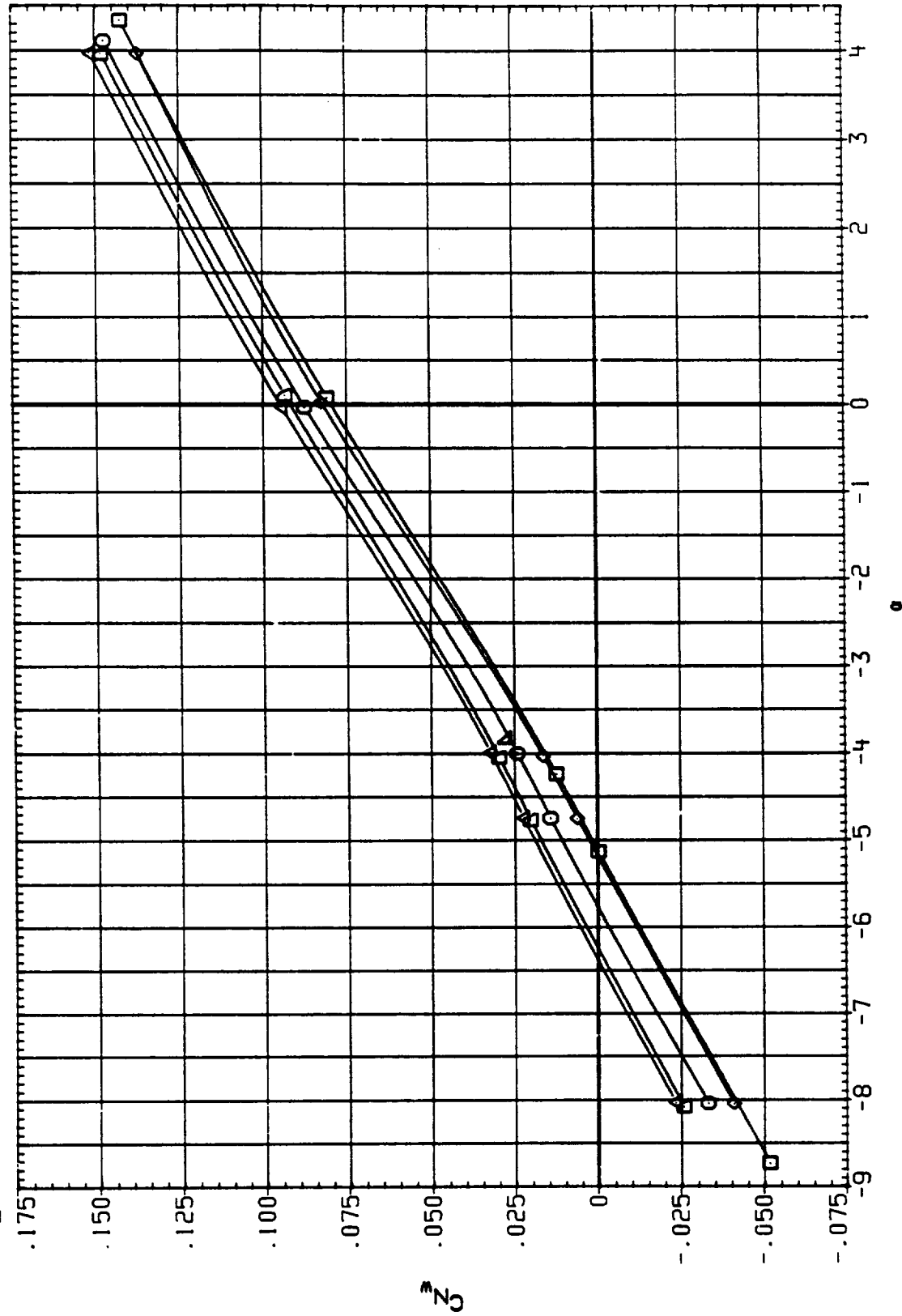


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

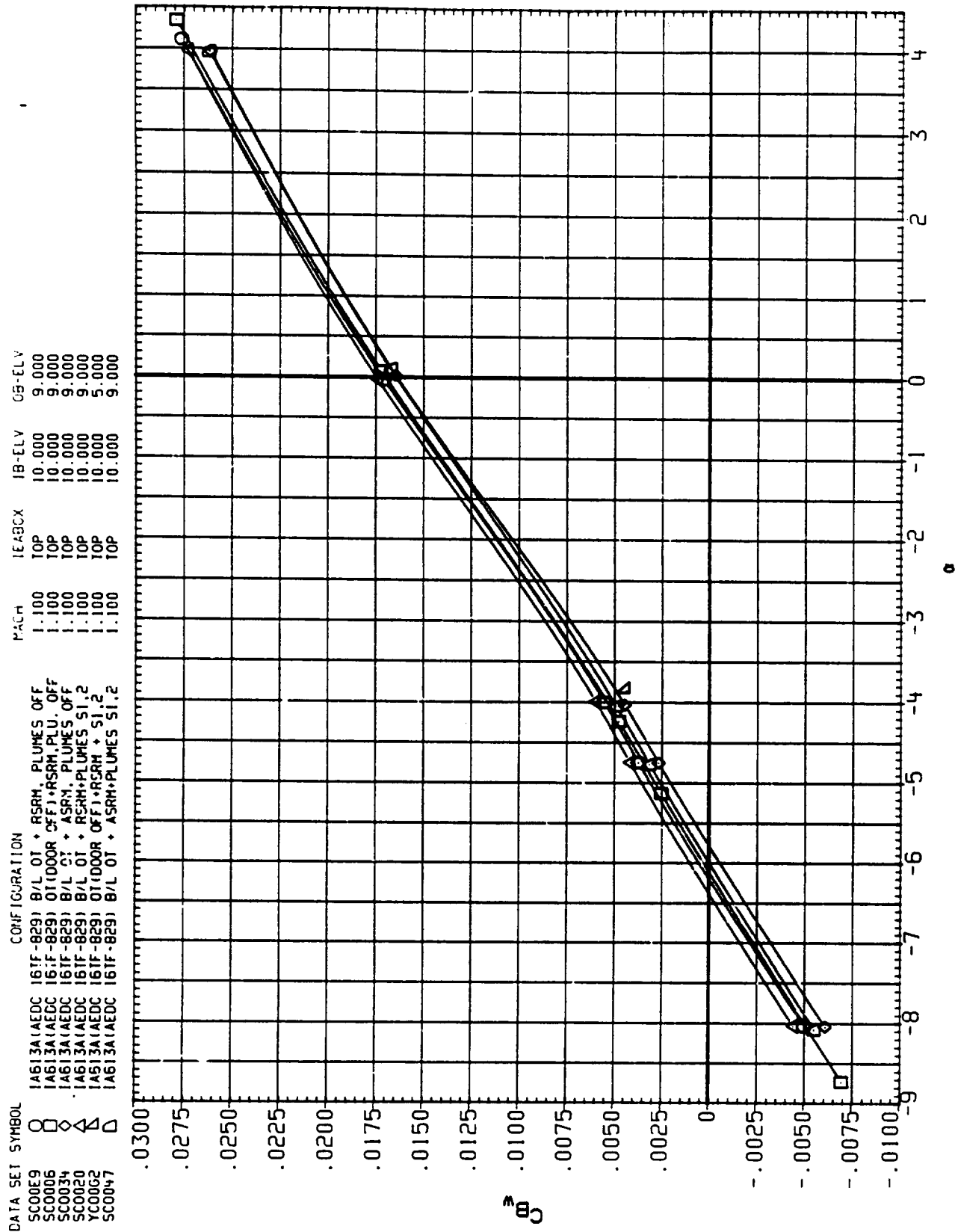


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E-5CX	1E-5LV	1E-5ELV
SC00E9	1A513A1AEDC 161F-829) B/L OT * RSRH, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	1A513A1AEDC 161F-829) OT DOOR OFF) * RSRH, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	1A513A1AEDC 161F-829) B/L OT * ASRH, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	1A513A1AEDC 161F-829) B/L OT * RSRH, PLUMES S1.2	1.100	TOP	10.000	9.000
YC0062	1A513A1AEDC 161F-829) OT DOOR OFF) * RSRH * S1.2	1.100	TOP	10.000	5.000
SC0047	1A513A1AEDC 161F-829) B/L OT * ASRH, PLUMES S1.2	1.100	TOP	10.000	9.000

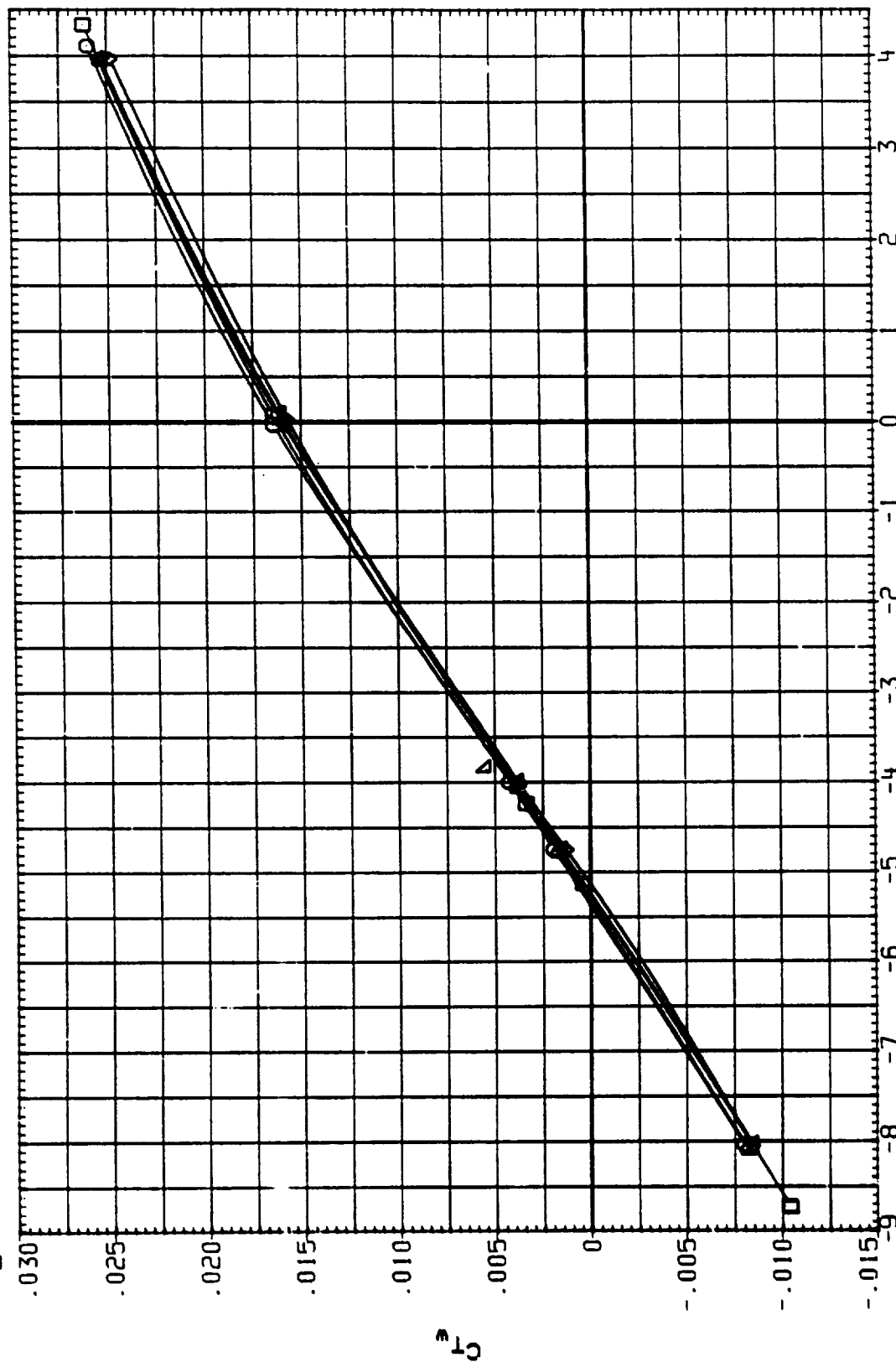


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

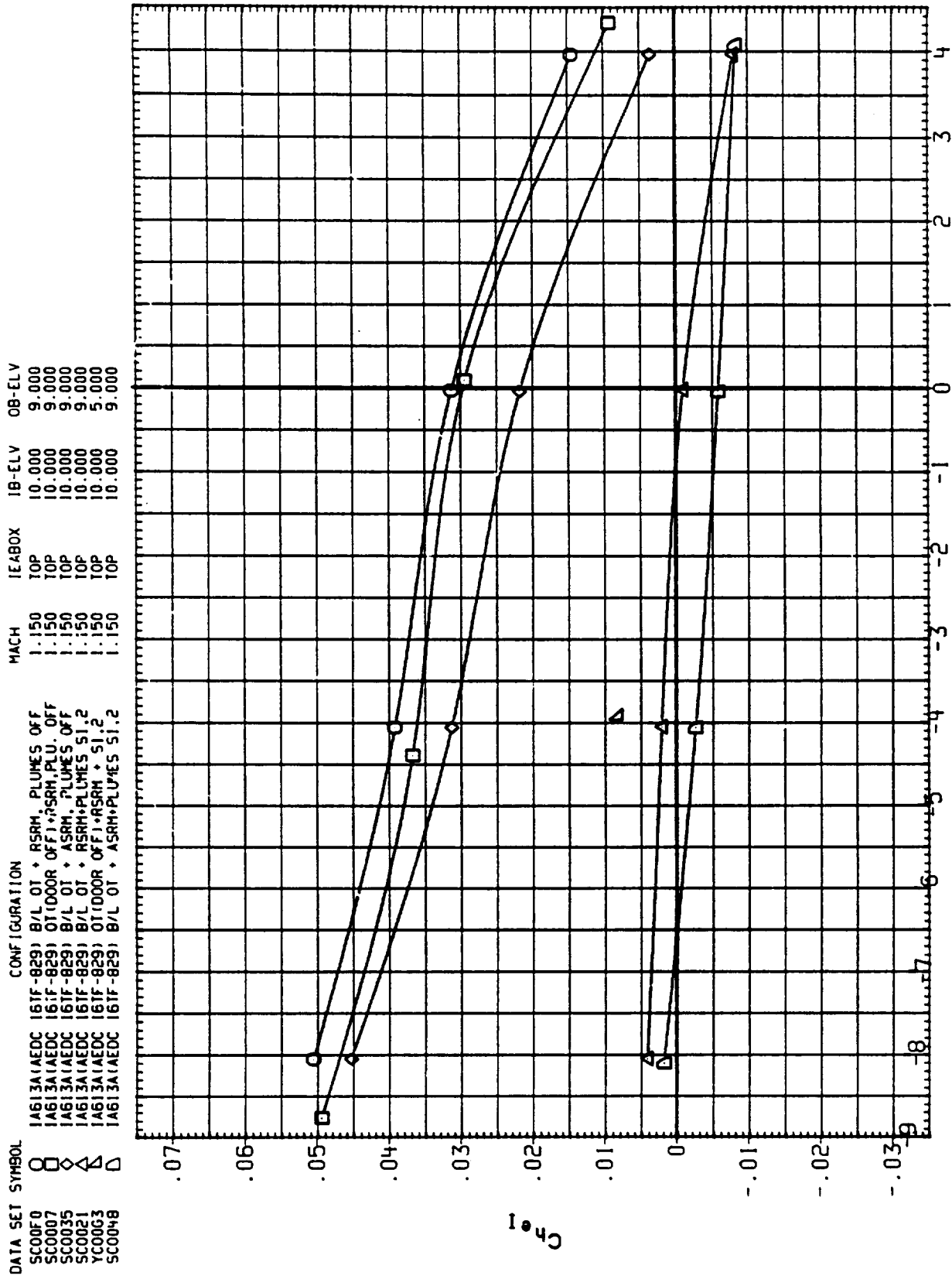


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	REYNOLDS	ITERATION
SC00F0	IA613A1AEDC 16TF-829) B/L OT + PERM, PLUMES OFF	1.150	TOP	9.000
SC0007	IA613A1AEDC 16TF-829) OT(1000R OFF)+ASRM, PLU. OFF	1.150	TOP	9.000
SC0035	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	9.000
SC0021	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	9.000
YC0063	IA613A1AEDC 16TF-829) OT(1000R OFF)+ASRM + S1.2	1.150	TOP	5.000
SC0048	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	9.000

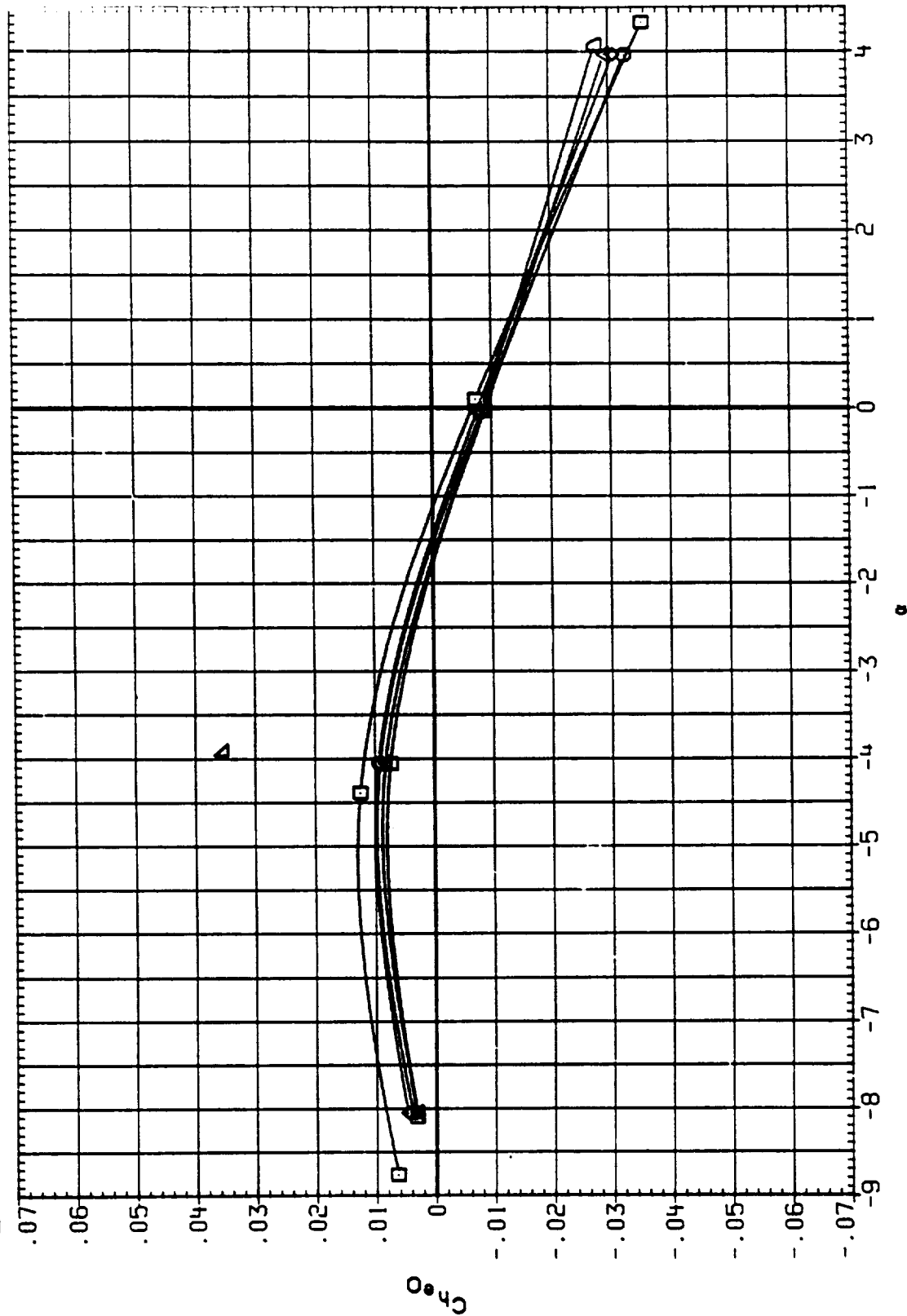


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	1EABOX	1E-ELV	OS-ELV
SC00070	□	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC00071	◇	1A613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.150	TOP	10.000	9.000
SC00072	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC00073	△	1A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC00074	△	1A613A1AEDC 161F-829) OT1000R OFF + RSRM + S1.2	1.150	TOP	10.000	9.000
SC00075	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

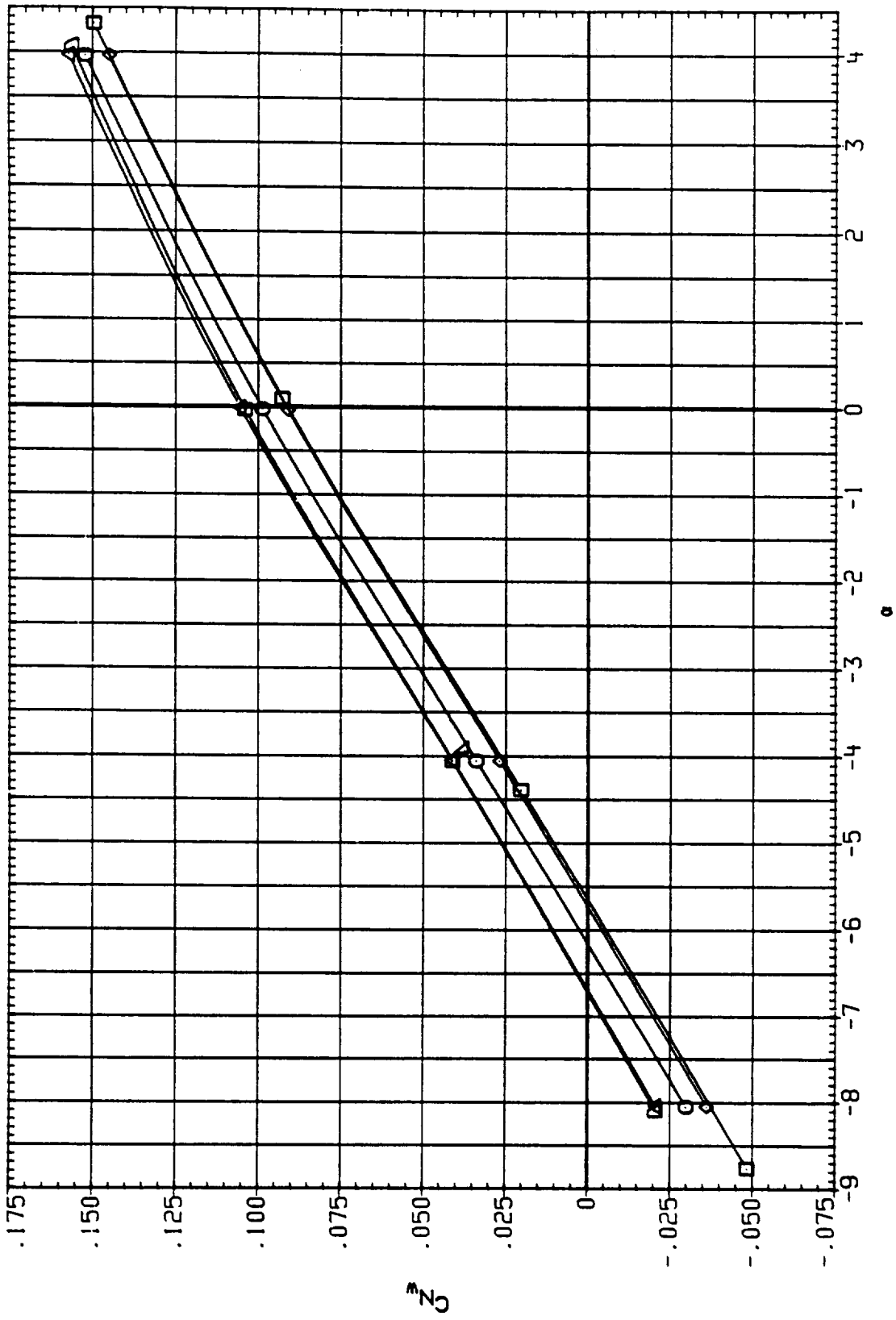


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	HEADX	Y-ELV	CS-ELV
SC00F0	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	□	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
SC0035	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES ST.2	1.150	TOP	10.000	5.000
YC00G3	△	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + ST.2	1.150	TOP	10.000	5.000
SC00V8	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.150	TOP	10.000	9.000

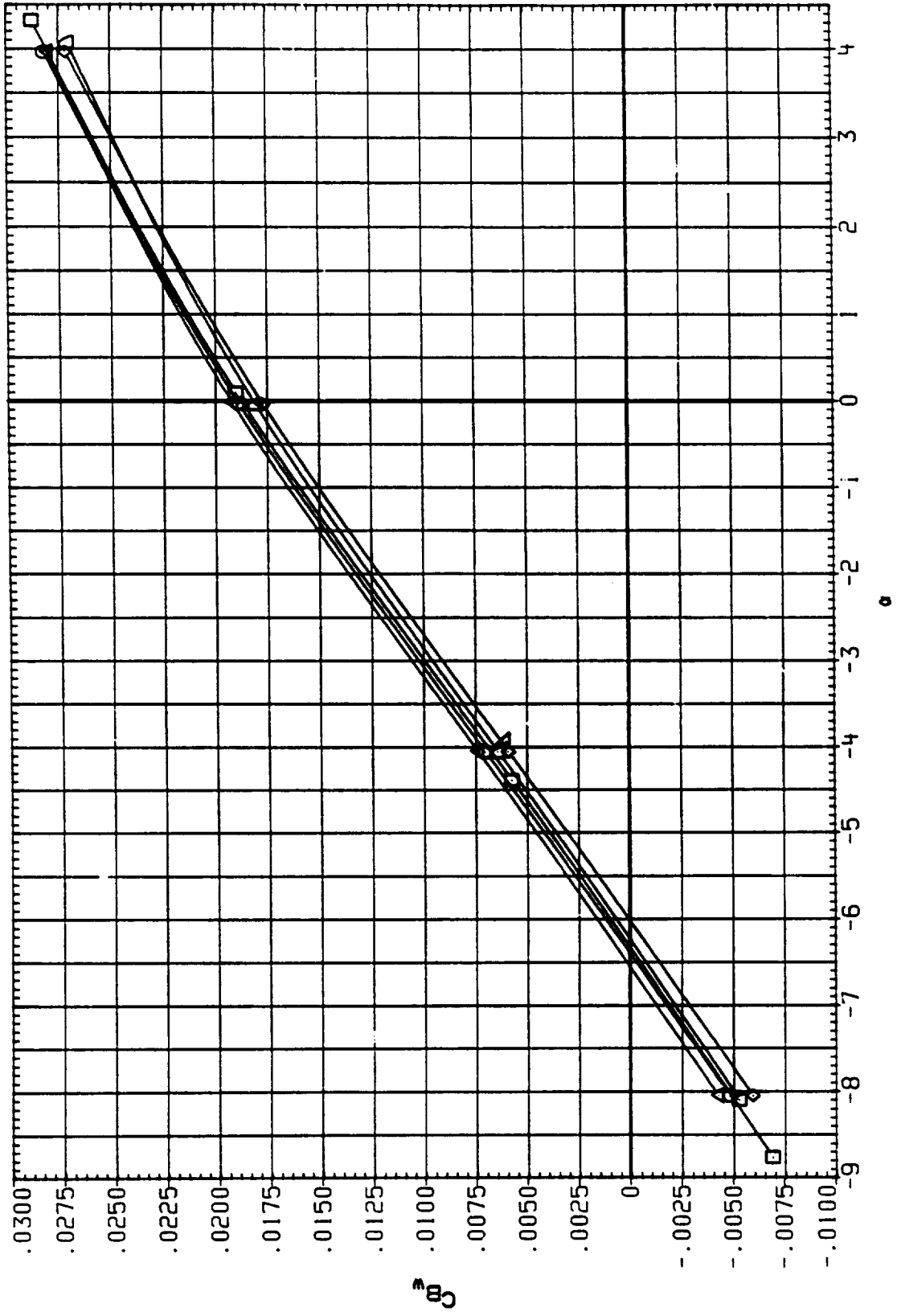


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CS-ELV
SC00F0	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	IA613A1AEDC 161F-829) OT1000R OFF + RSRH, PLU. OFF	1.150	TOP	10.000	9.000
SC0035	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES SI.2	1.150	TOP	10.000	9.000
YC00G3	IA613A1AEDC 161F-829) OT1000R OFF + RSRM + SI.2	1.150	TOP	10.000	5.000
SC0048	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES SI.2	1.150	TOP	10.000	9.000

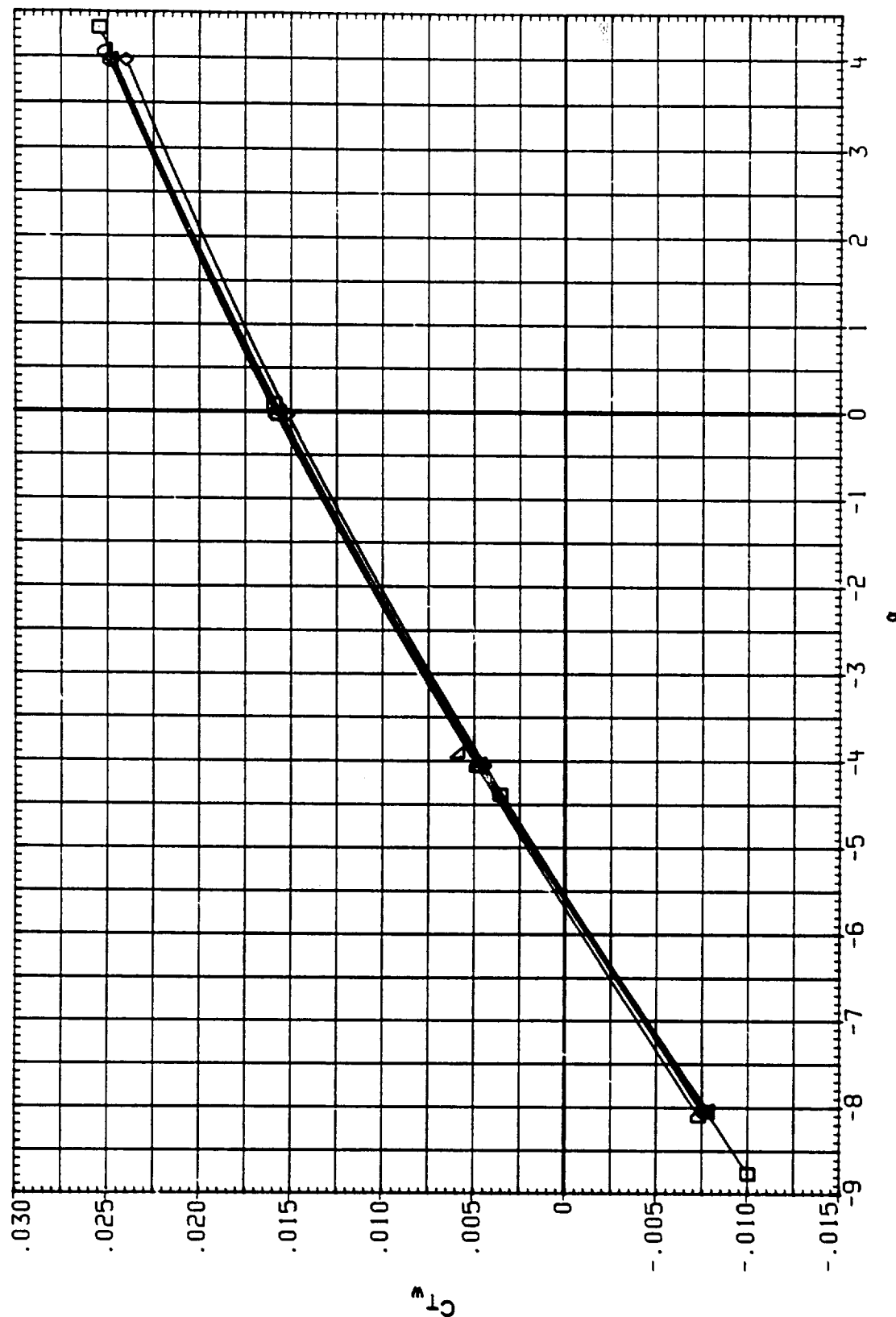


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

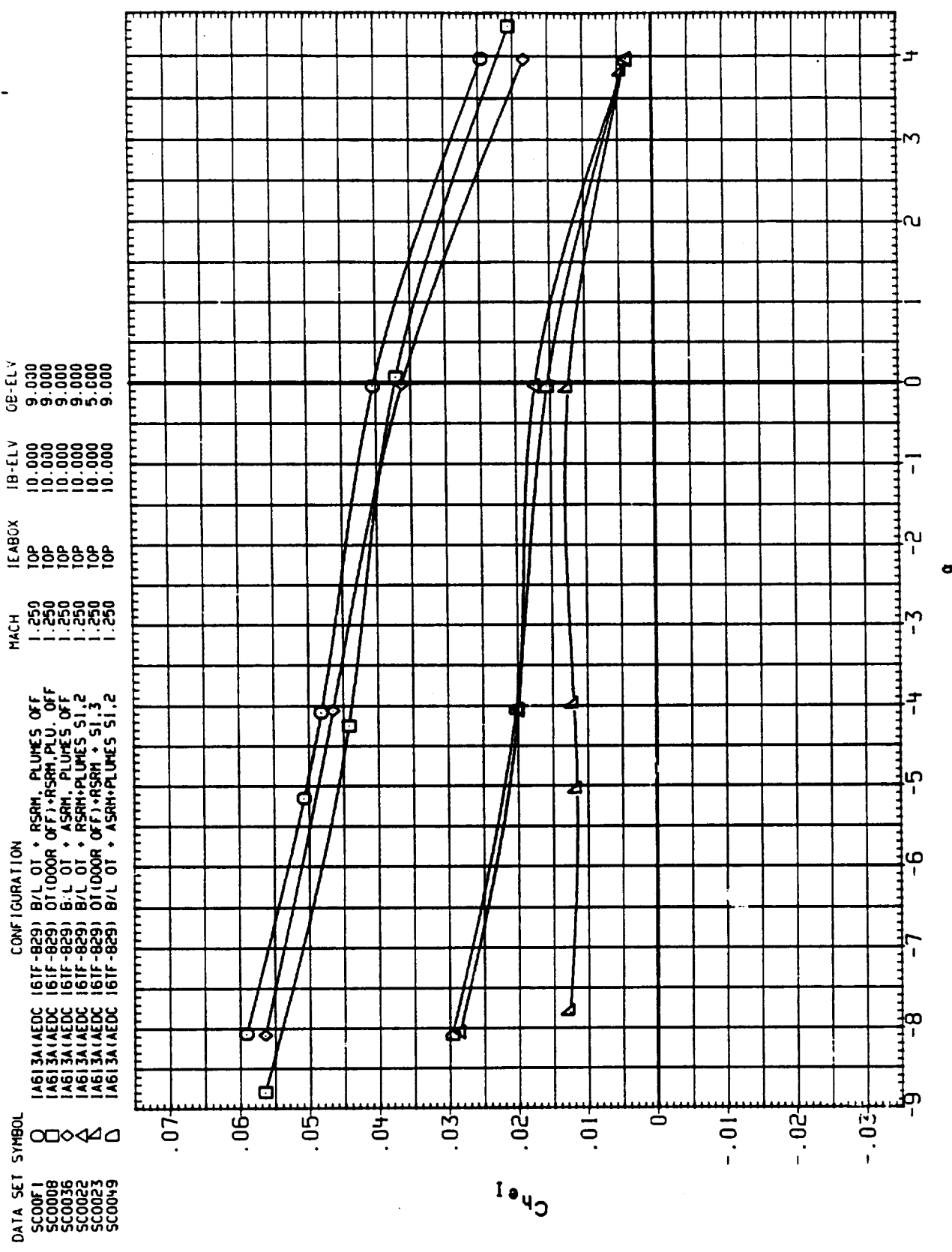


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F1	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0008	IA613A1AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
SC0036	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0022	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES SI.2	1.250	TOP	10.000	5.000
SC0023	IA613A1AEDC 16TF-829) OT(DOOR OFF)+RSRM + SI.3	1.250	TOP	10.000	9.000
SC0049	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.250	TOP	10.000	9.000

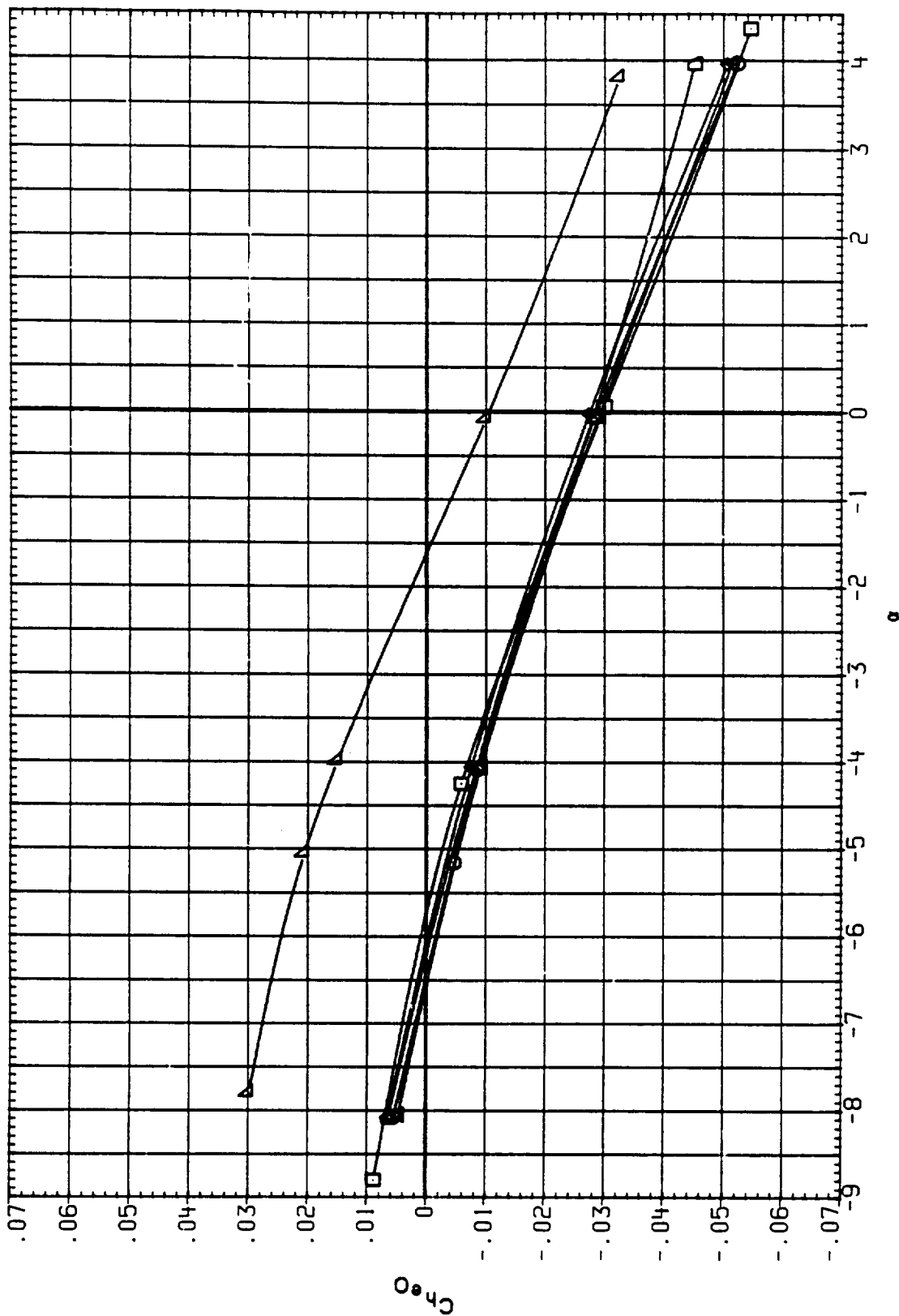


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

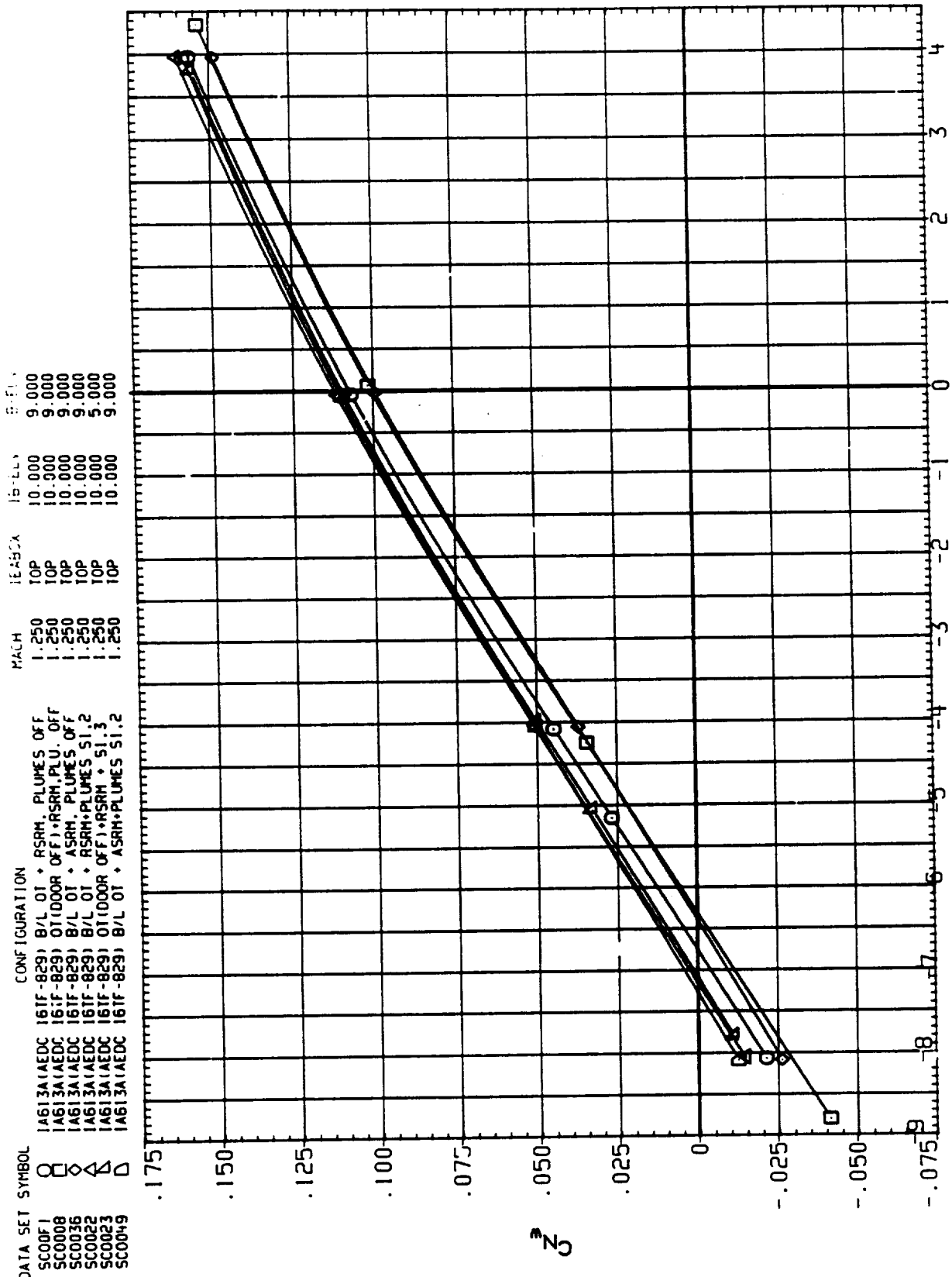


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F1	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0008	IA613A1AEDC 161F-829) OT1000R OFF1+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
SC0036	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0022	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	1.250	TOP	10.000	9.000
SC0023	IA613A1AEDC 161F-829) OT1000R OFF1+RSRM + S1.3	1.250	TOP	10.000	5.000
SC0049	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000

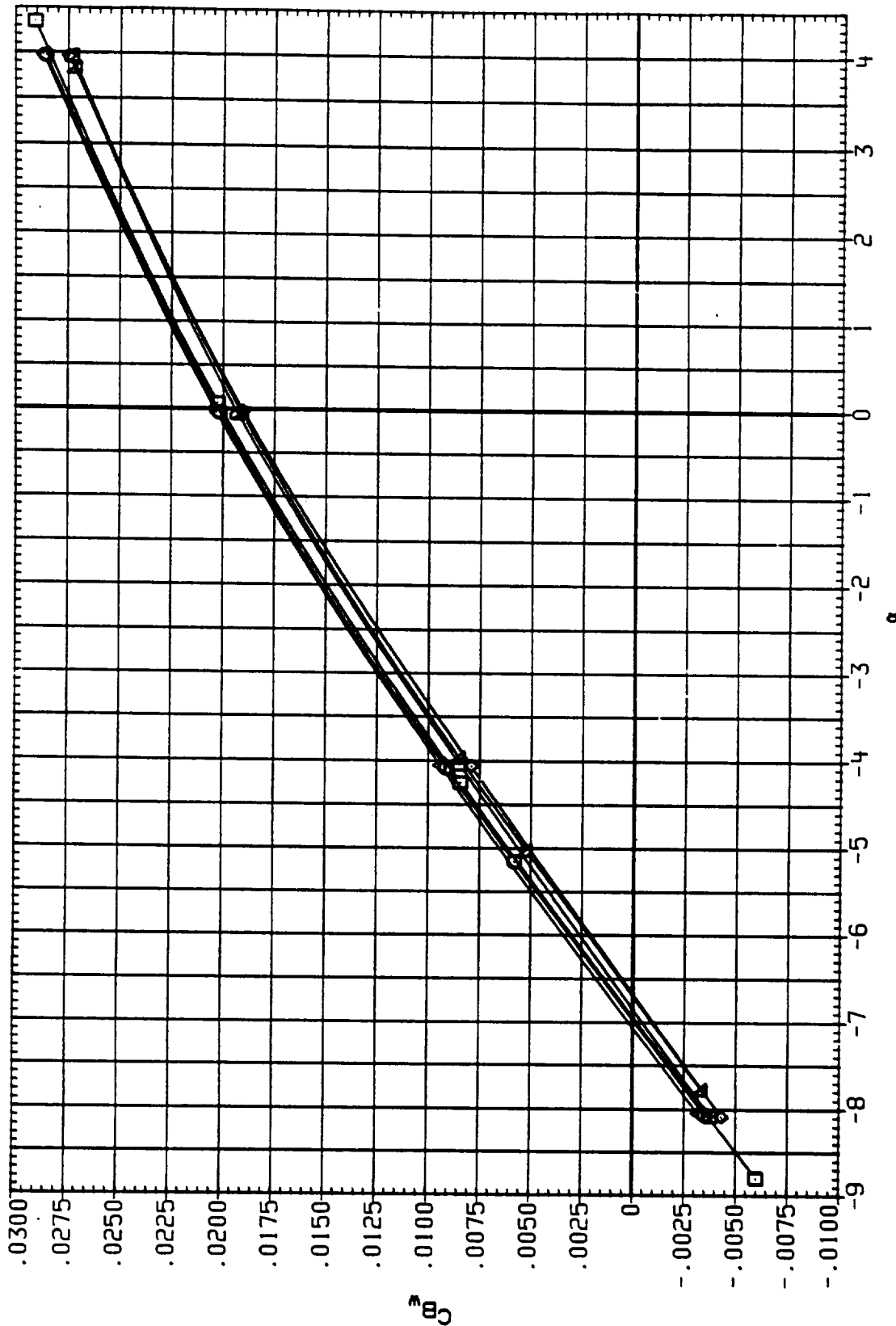


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	WING	LEVEL	WING AREA	WING SPAN
SC0001	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0008	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
SC0036	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0032	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.250	TOP	10.000	5.000
SC0023	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.250	TOP	10.000	9.000
SC0049	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000

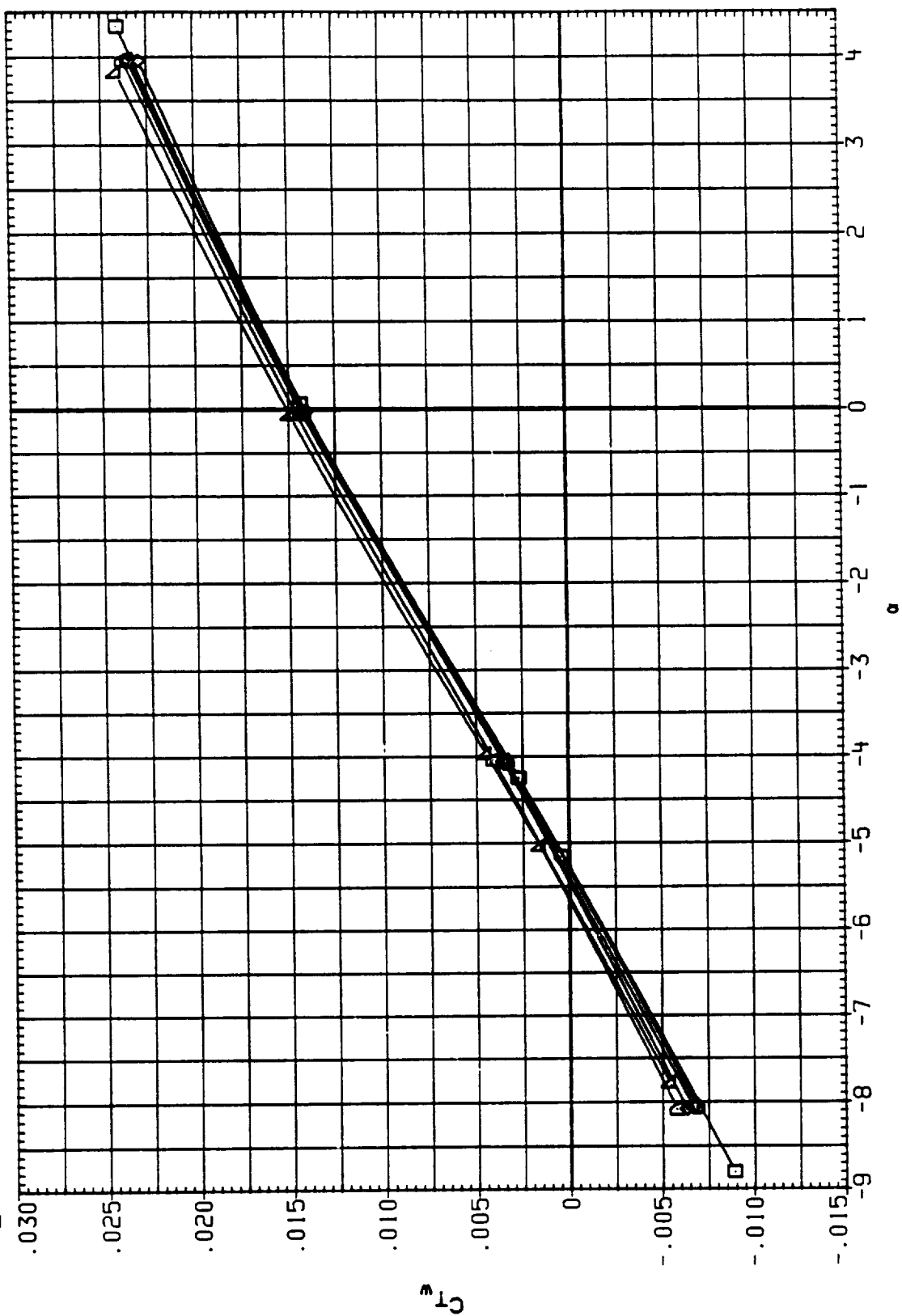


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	WING	WING AREA	WING SPAN
SC0010	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.300	TOP	10.000
SC0038	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES ST. 2	1.300	TOP	10.000
SC0046	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST. 2	1.300	TOP	10.000
SC0024	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM + ST. 3	1.300	TOP	10.000
SC0054	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST. 3	1.300	TOP	10.000

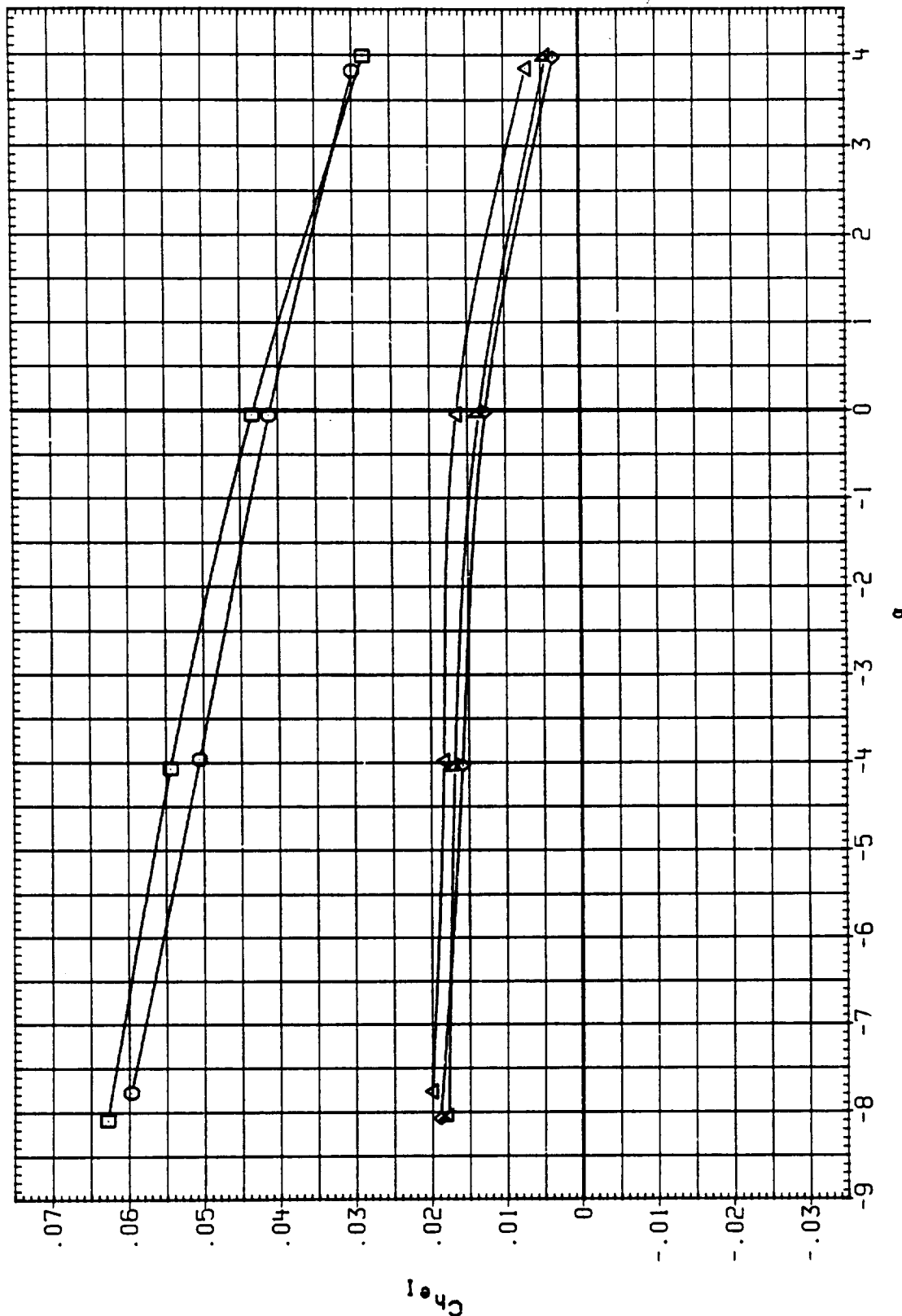


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

ORIGINAL CASE IS
OF POOR QUALITY

DATA SET	SYMBOL	CONFIGURATION	WING	WING AREA	WING SPAN	WING CHORD
SC0010	□	1A613A(AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.300	TOP	10.000	5.000
SC0036	□	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC0024	◇	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.300	TOP	10.000	5.000
SC0054	△	1A613A(AEDC 161F-829) OT(000R OFF)+RSRM + ST.3	1.300	TOP	10.000	5.000

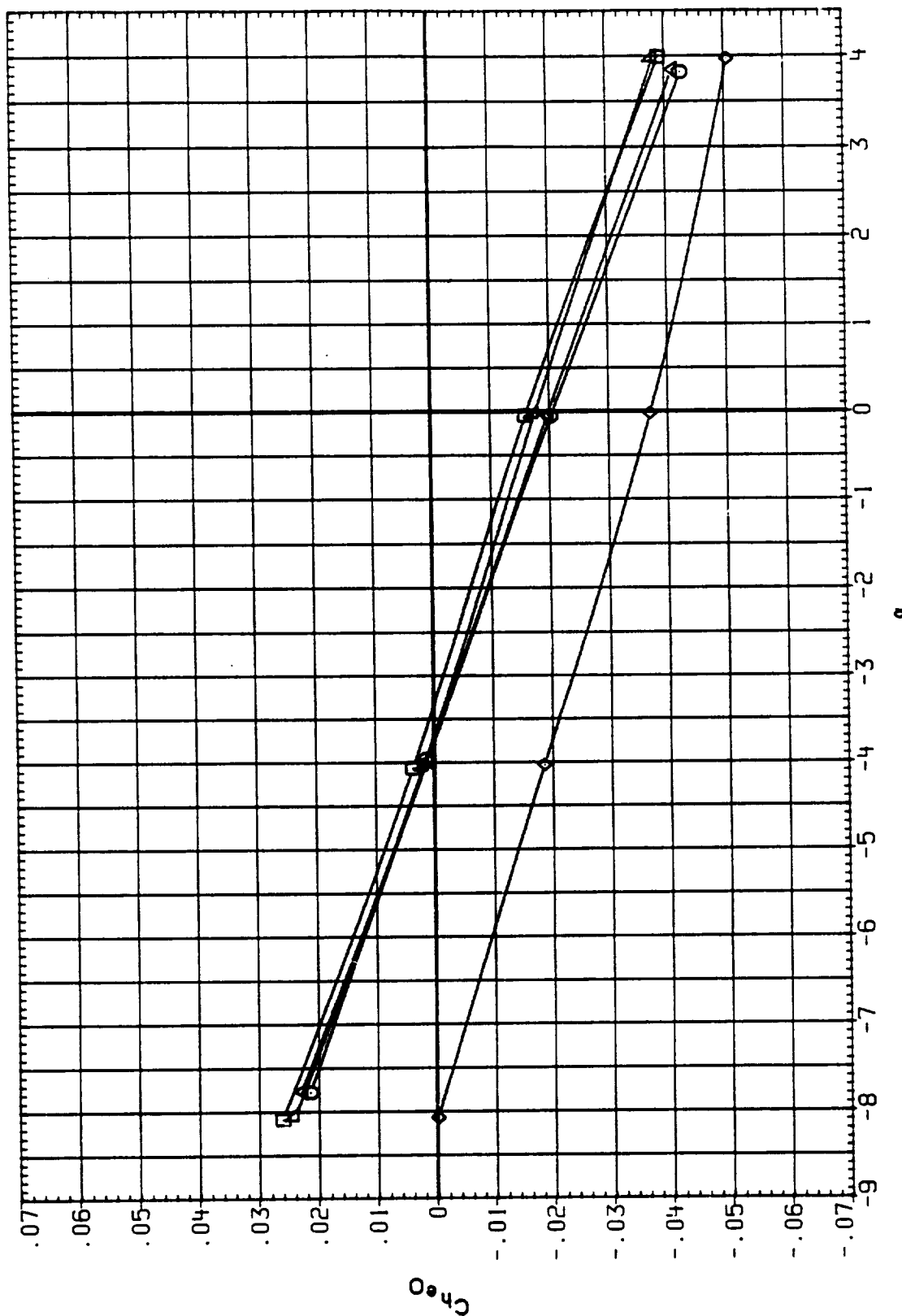


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	REASON	TS	TS
SC0010	IA613A1AEDC 16TF-829) OT1000R OFF) +RSRM+PLU OFF	1.300	TOP	10.000	5.000
SC0038	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.300	TOP	10.000	9.000
SC0024	IA613A1AEDC 16TF-829) OT1000R OFF) +RSRM + S1.3	1.300	TOP	10.000	5.000
SC0054	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000

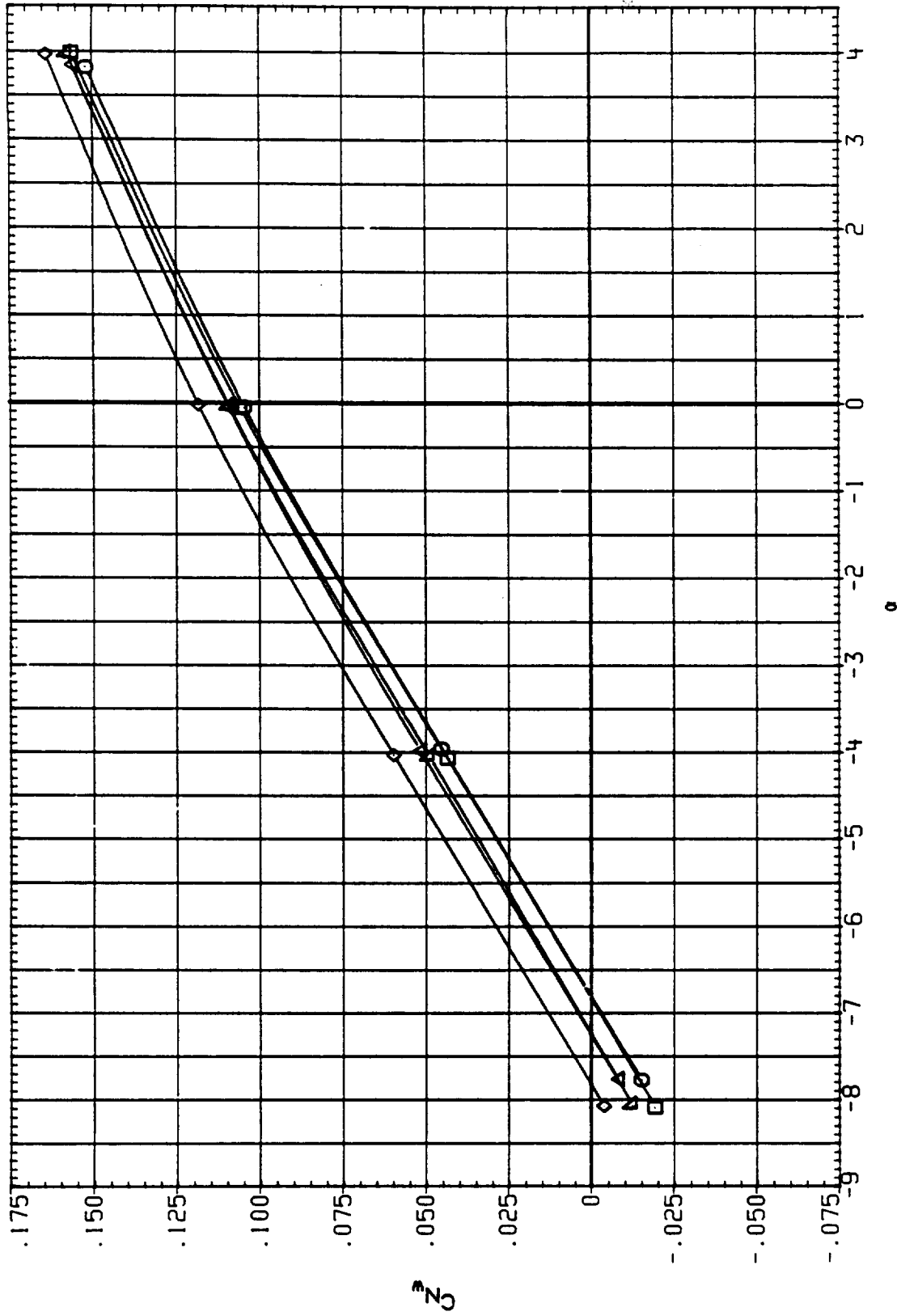


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

ORIGINAL FILE IS
OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0010	1A513A1AEDC 16TF-829) 01(DOOR OFF) + RSRH, PLU, OFF	1.300	TOP	10.000	5.000
SC0038	1A513A1AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	1A513A1AEDC 16TF-829) B/L 01 + RSRH, PLUMES S1.2	1.300	TOP	10.000	9.000
SC0024	1A513A1AEDC 16TF-829) 01(DOOR OFF) + RSRH + S1.3	1.300	TOP	10.000	5.000
SC0054	1A513A1AEDC 16TF-829) B/L 01 + ASRH+PLUMES S1.3	1.300	TOP	10.000	5.000

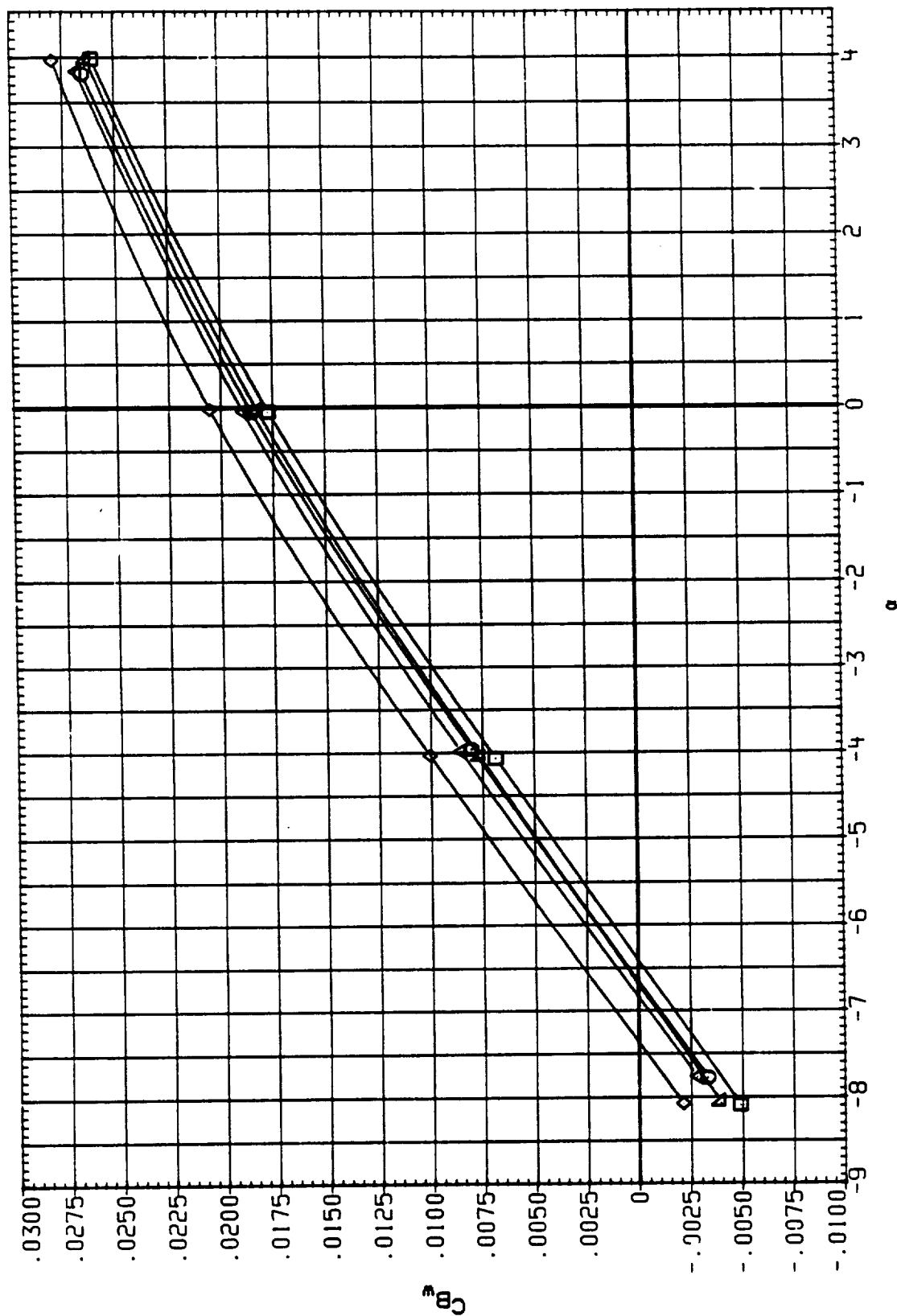


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	0B-ELV
SC0010	□	1A613A1AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	1.300	TOP	10.000	5.000
SC0038	◇	1A613A1AEDC 161F-829) P/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	◇	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	1.300	TOP	10.000	5.000
SC0024	△	1A613A1AEDC 161F-829) OT(1000R OFF) + RSRM + S1.3	1.300	TOP	10.000	5.000
SC0054	△	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.3	1.300	TOP	10.000	5.000

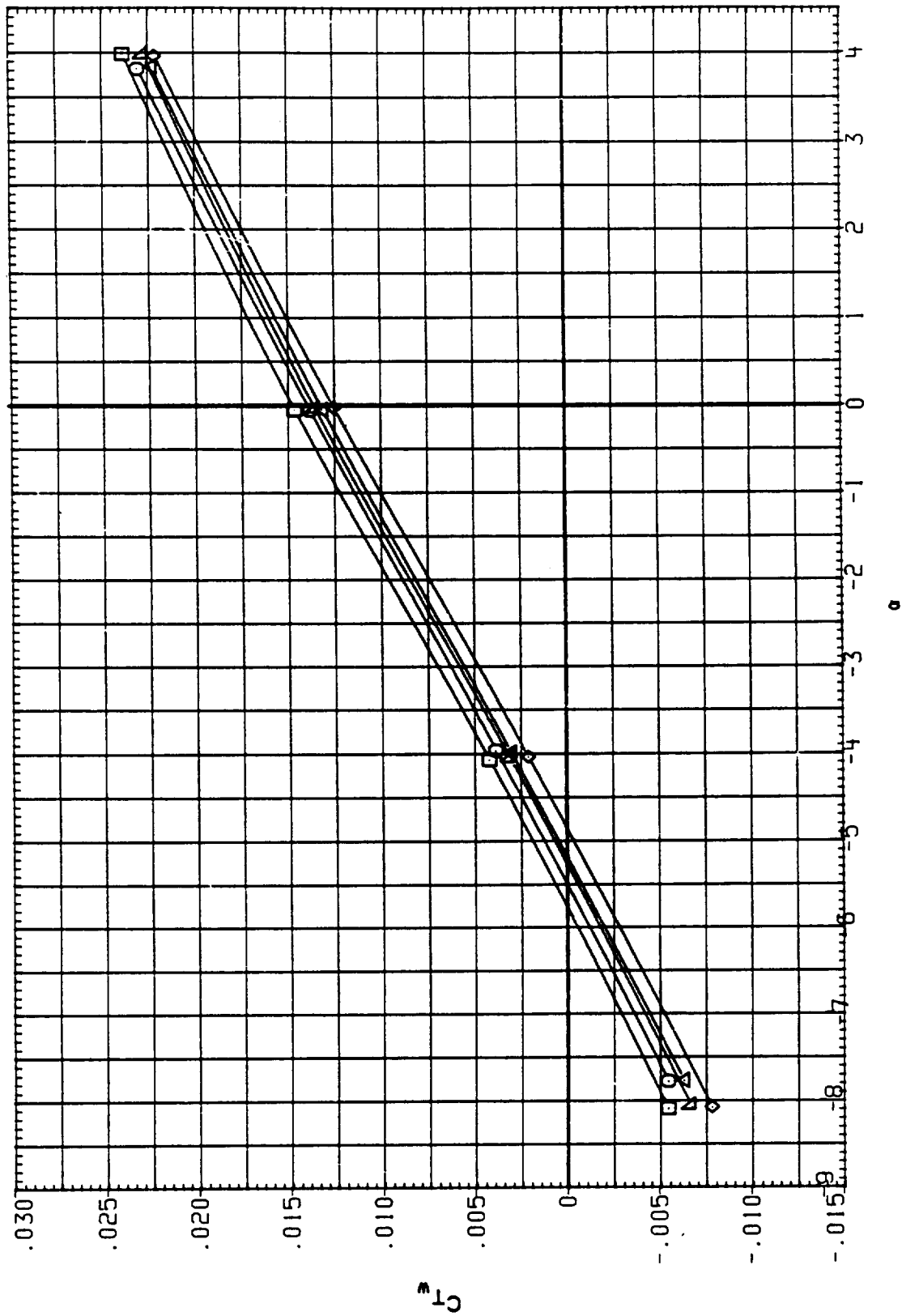


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
SC00F2	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.350	TOP	10.000	9.000
SC0025	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + SI.3	1.350	TOP	10.000	5.000
SC0055	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.350	TOP	10.000	5.000

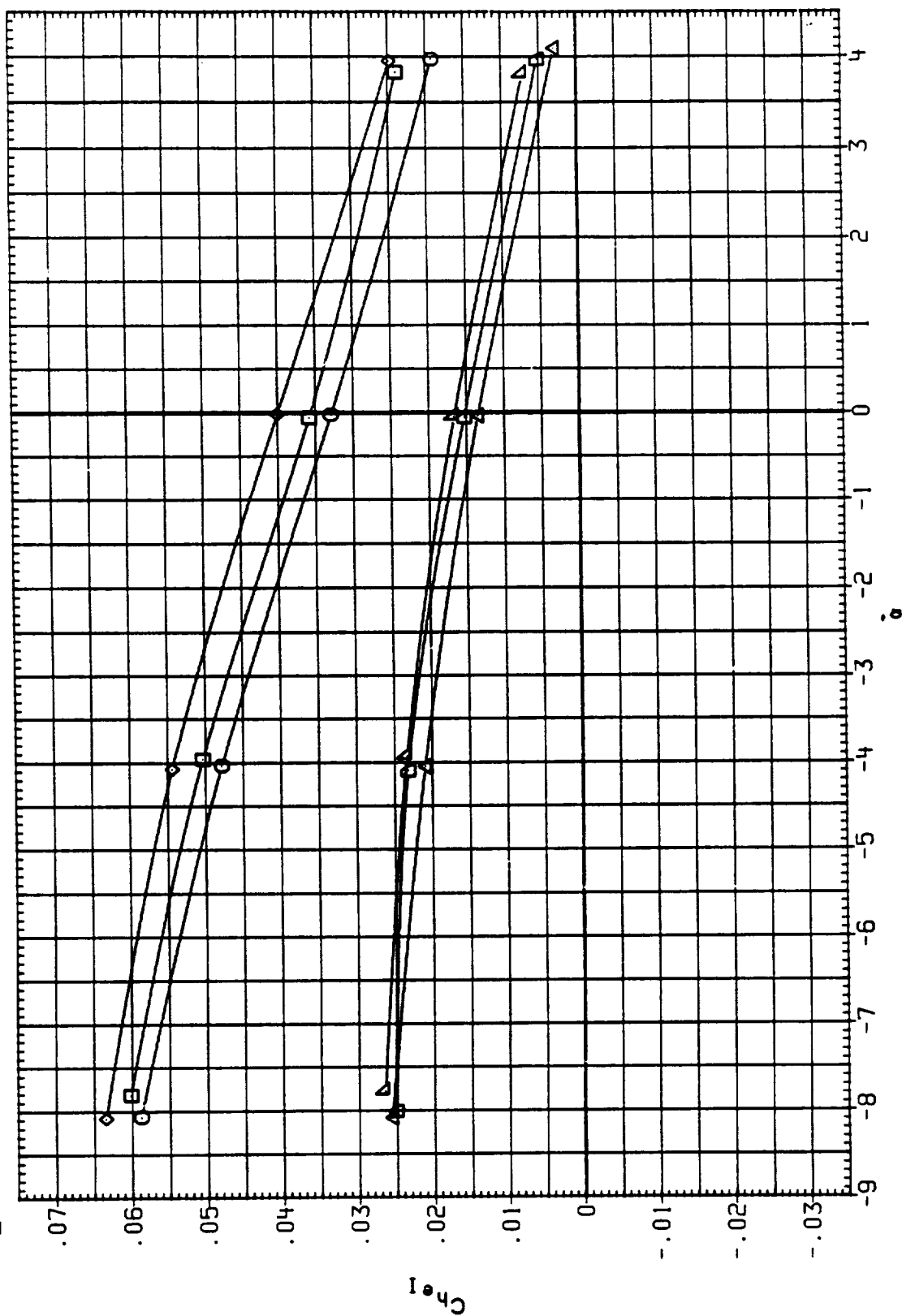


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
SC00F2	IAGI 3A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	IAGI 3A1AEDC 16TF-829) OT1000R OFF) + RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	IAGI 3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	IAGI 3A1AEDC 16TF-829) B/L OT + RSRM + PLUMES 51.2	1.350	TOP	10.000	9.000
SC0025	IAGI 3A1AEDC 16TF-823) OT1000R OFF) + RSRM + 51.3	1.350	TOP	10.000	5.000
SC0055	IAGI 3A1AEDC 16TF-829) B/L OT + ASRM + PLUMES 51.3	1.350	TOP	10.000	5.000

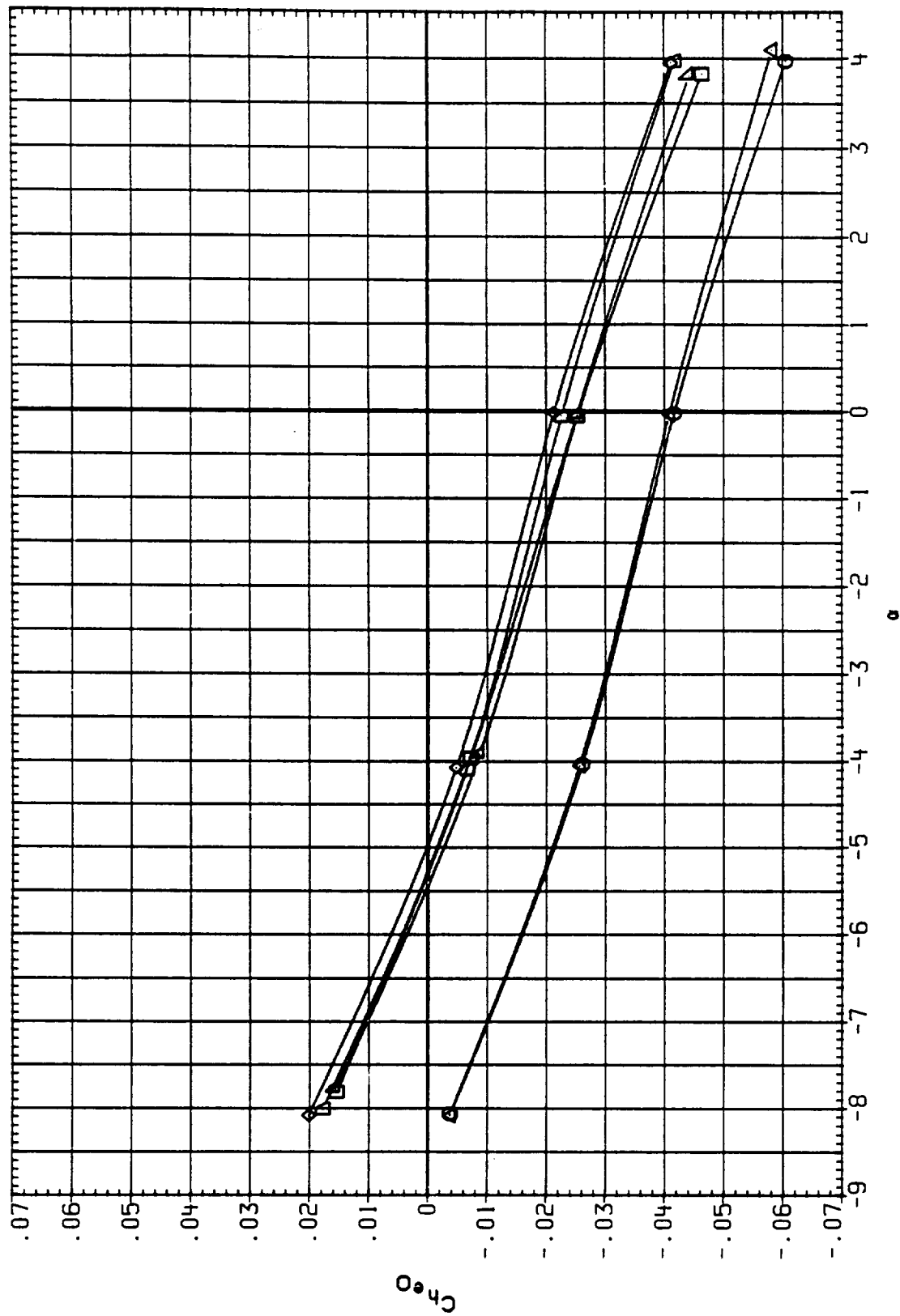


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
SC00F2	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	□	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	△	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES SI.2	1.350	TOP	10.000	9.000
SC0025	△	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM + SI.3	1.350	TOP	10.000	5.000
SC0055	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.350	TOP	10.000	5.000

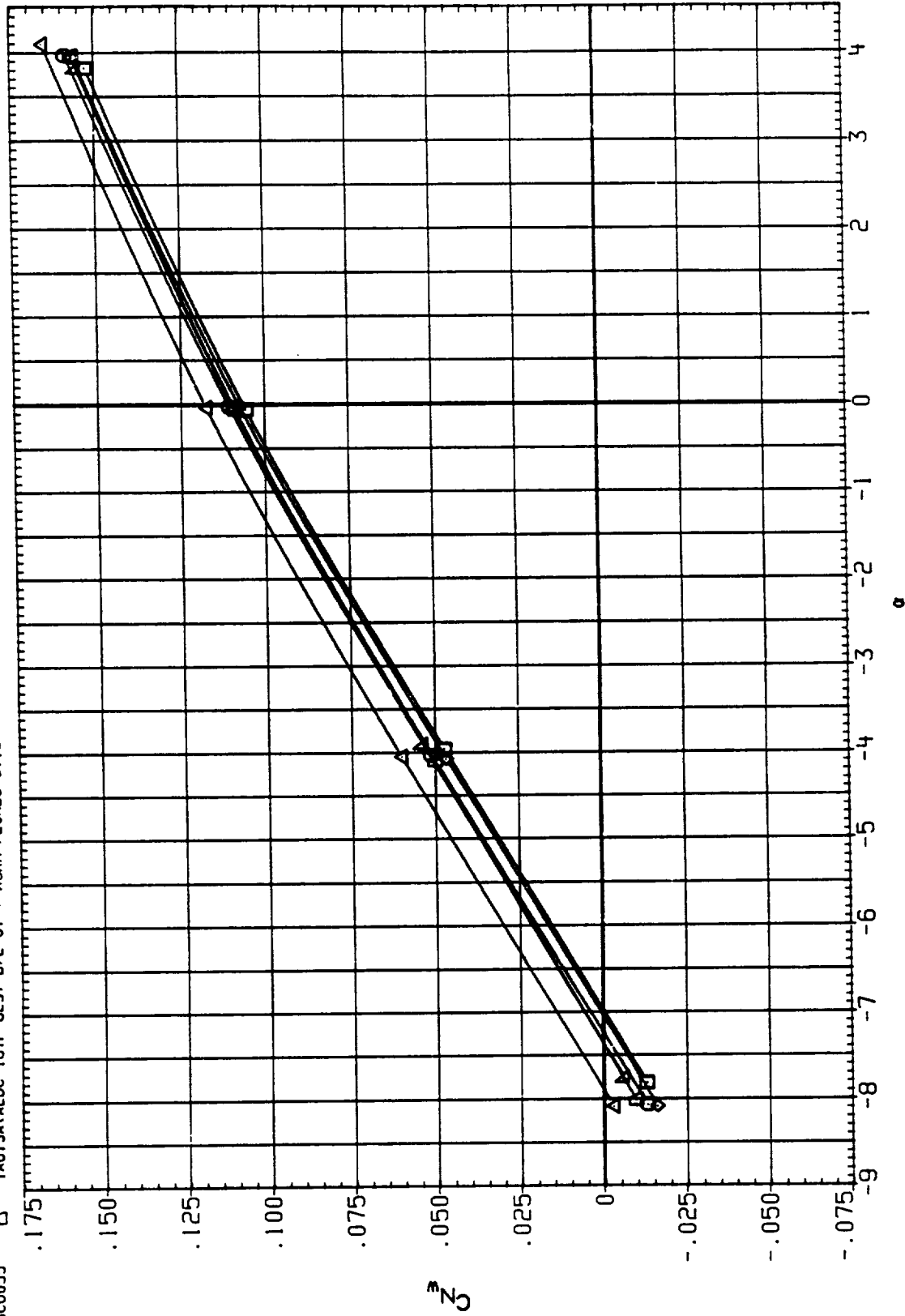


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC00F2	□	1A613A1AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	□	1A613A1AEDC 161F-829) OT(000R OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	◇	1A613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	△	1A613A1AEDC 161F-829) B/L OT + RSRH+PLUMES S1,2	1.350	TOP	10.000	9.000
SC0025	◇	1A613A1AEDC 161F-829) OT(000R OFF)+RSRH + S1,3	1.350	TOP	10.000	5.000
SC0055	◇	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1,3	1.350	TOP	10.000	5.000

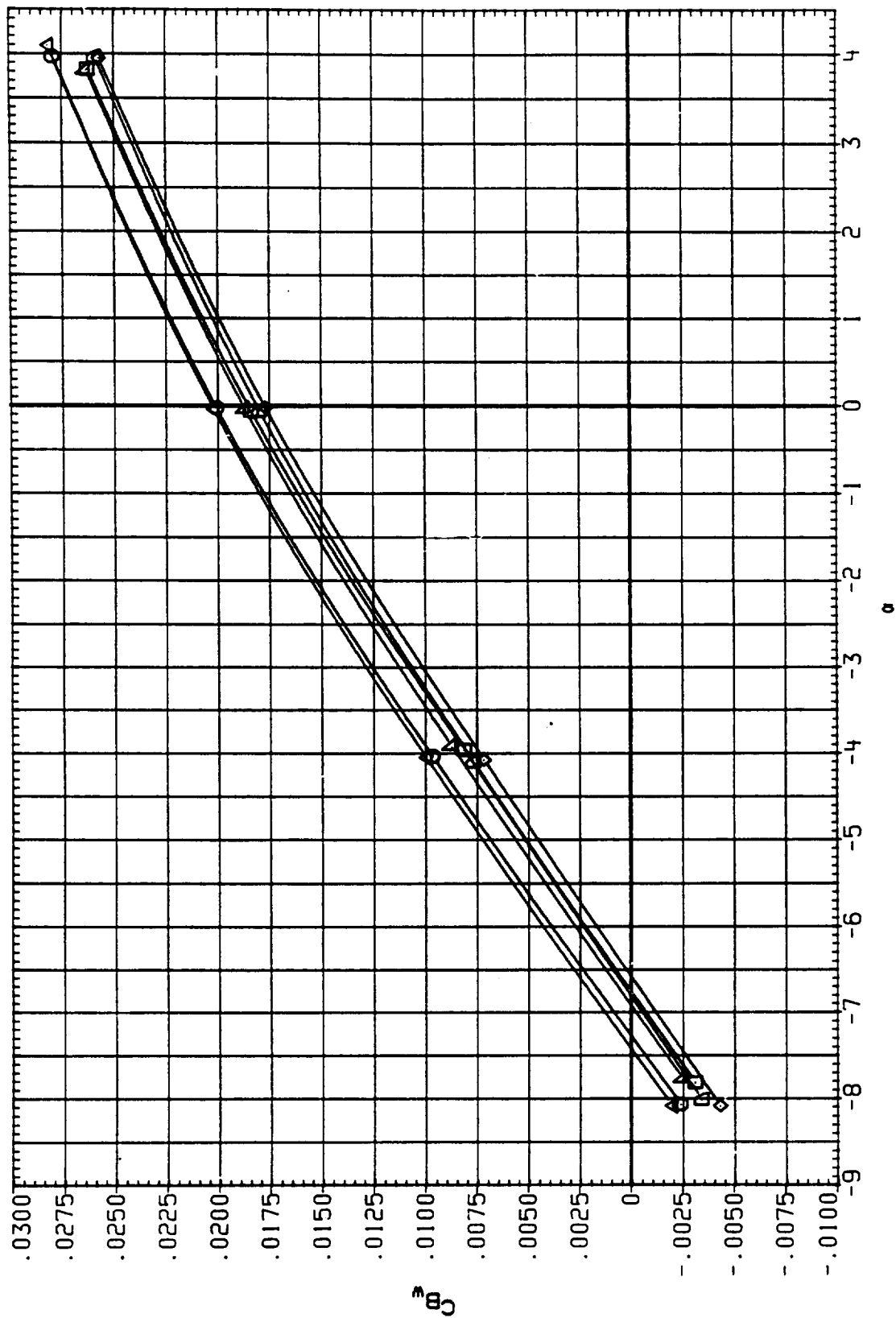


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC00F2	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	IA613A1AEDC 161F-829) 011000R OFF) + RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES 51.2	1.350	TOP	10.000	9.000
SC0025	IA613A1AEDC 161F-829) 011000R OFF) + RSRM + 51.3	1.350	TOP	10.000	5.000
SC0055	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3	1.350	TOP	10.000	5.000

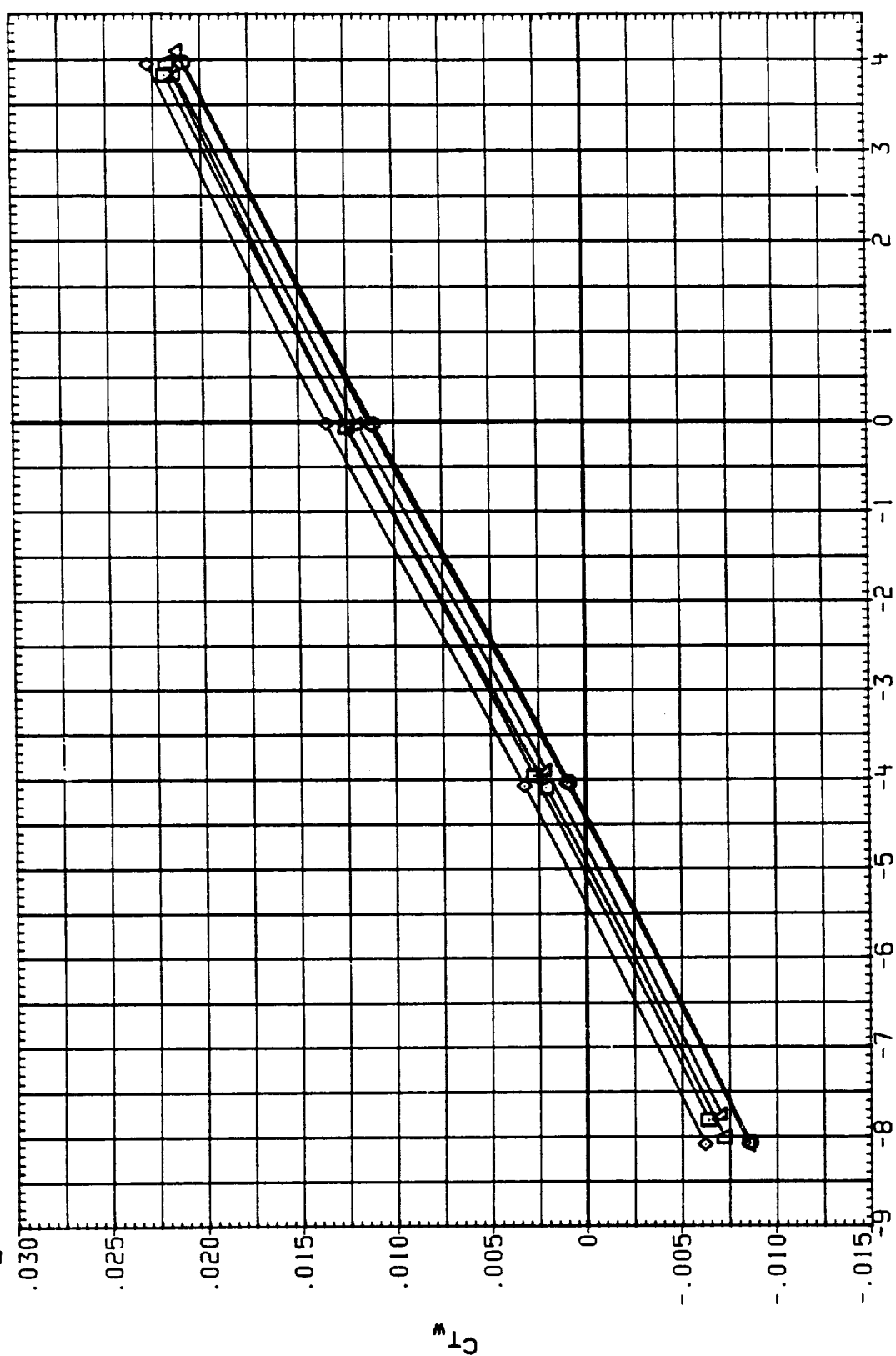


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

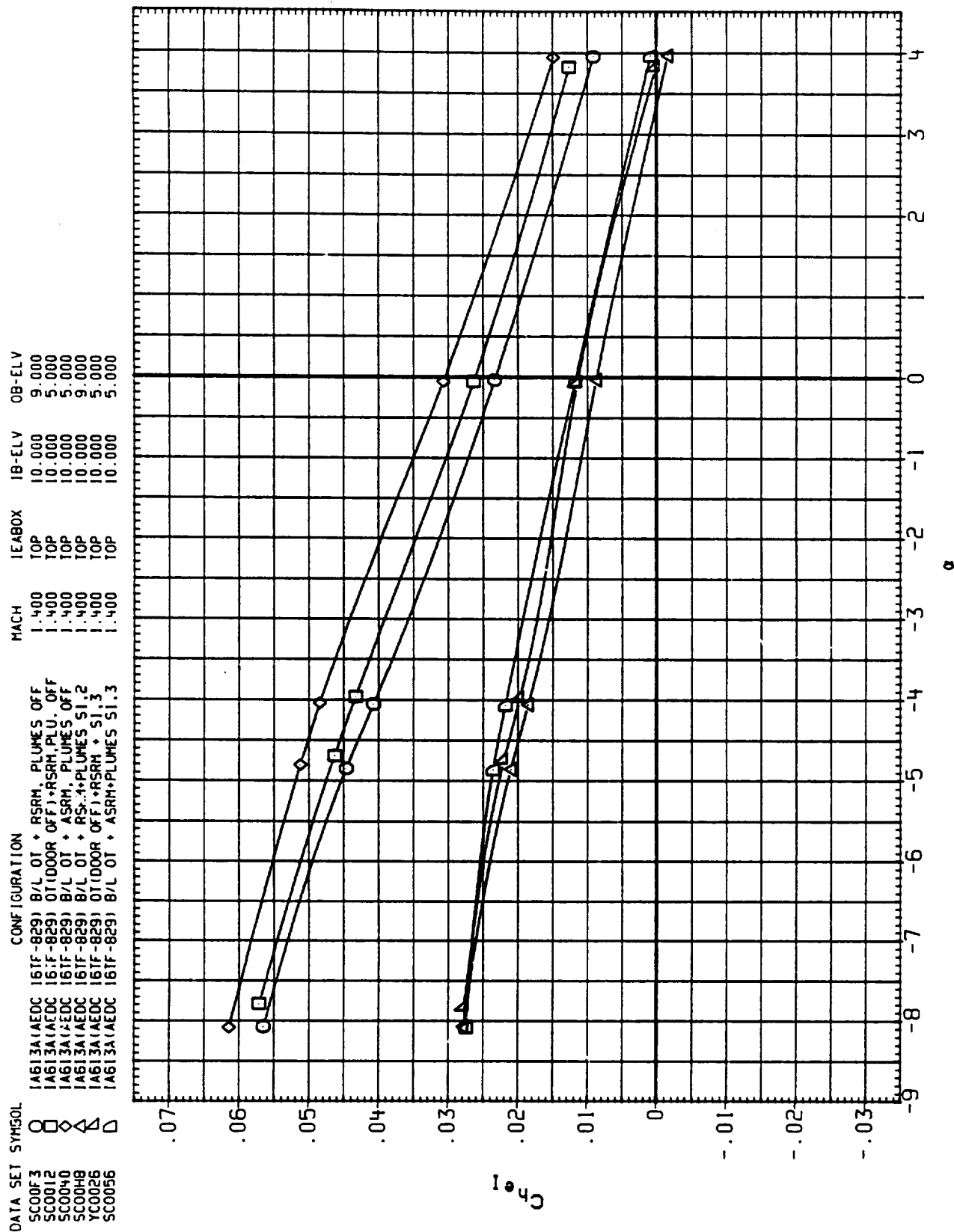


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

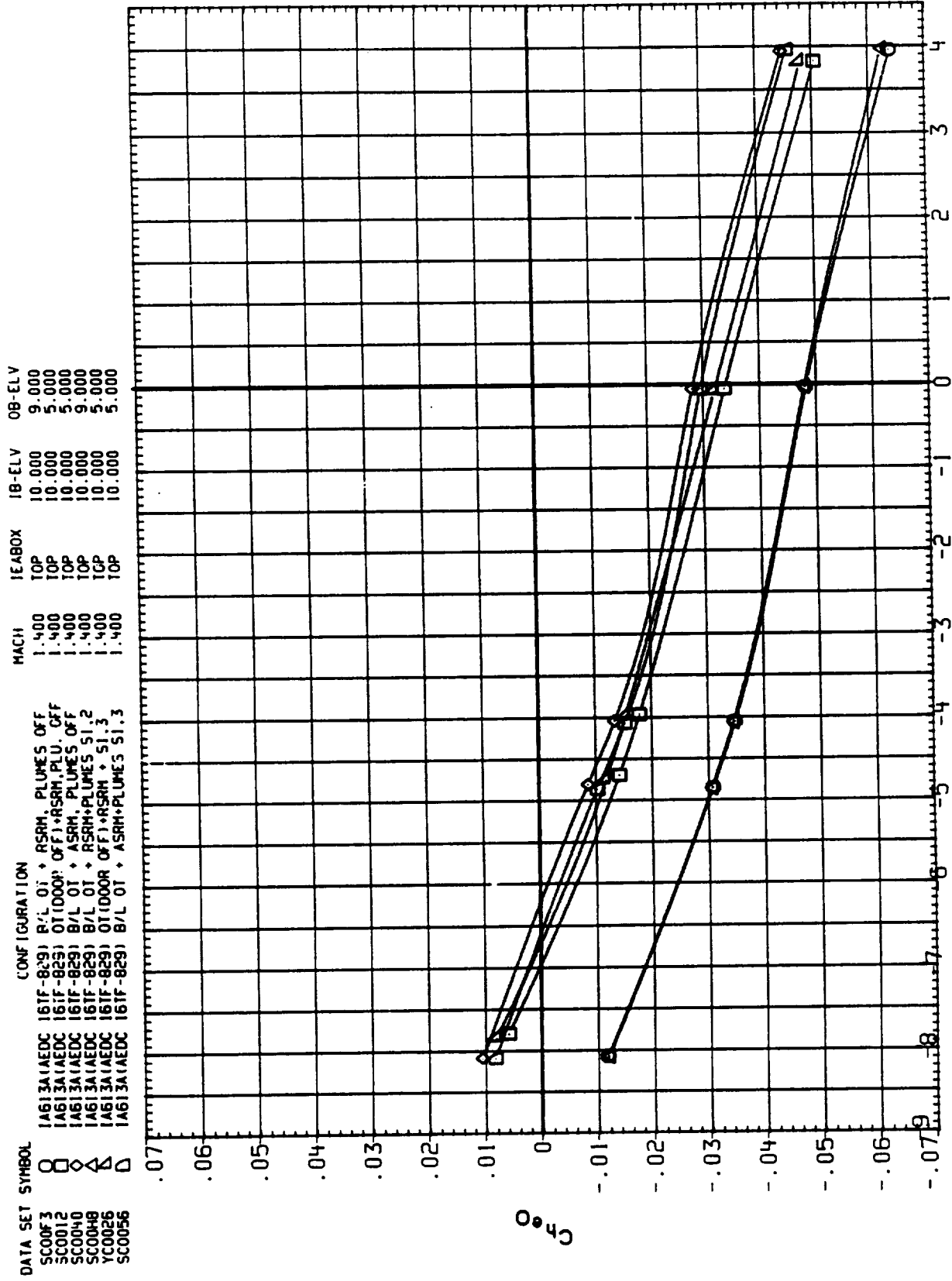


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC0012	◇	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.400	TOP	10.000	5.000
SC0040	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC00H9	△	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
YC0026	△	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
SC0056	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

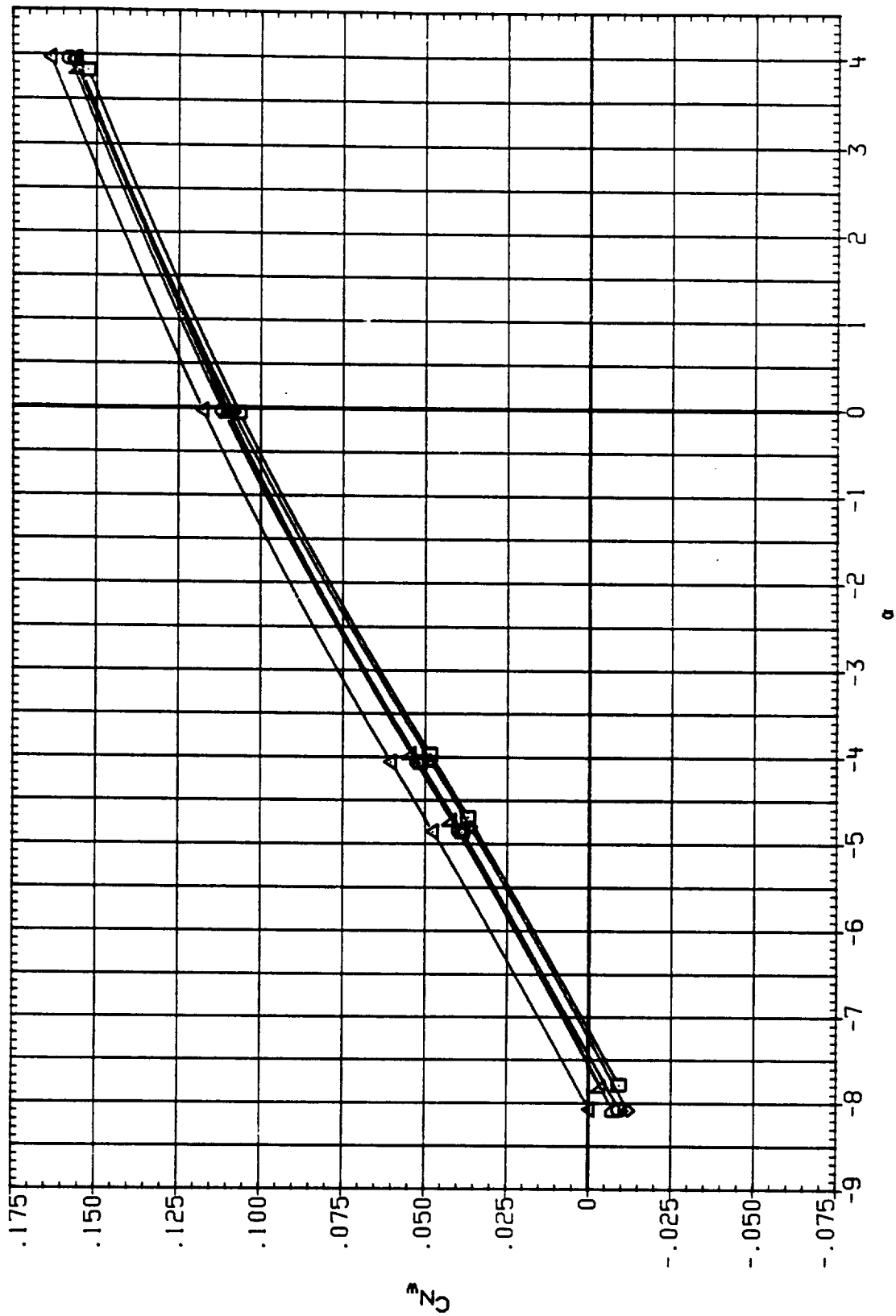


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC0012	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.400	TOP	10.000	5.000
SC0040	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC0048	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES 51.2	1.400	TOP	10.000	9.000
YC0026	IA613A1AEDC 161F-829) OT1000R OFF) + RSRM + 51.3	1.400	TOP	10.000	5.000
SC0056	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3	1.400	TOP	10.000	5.000

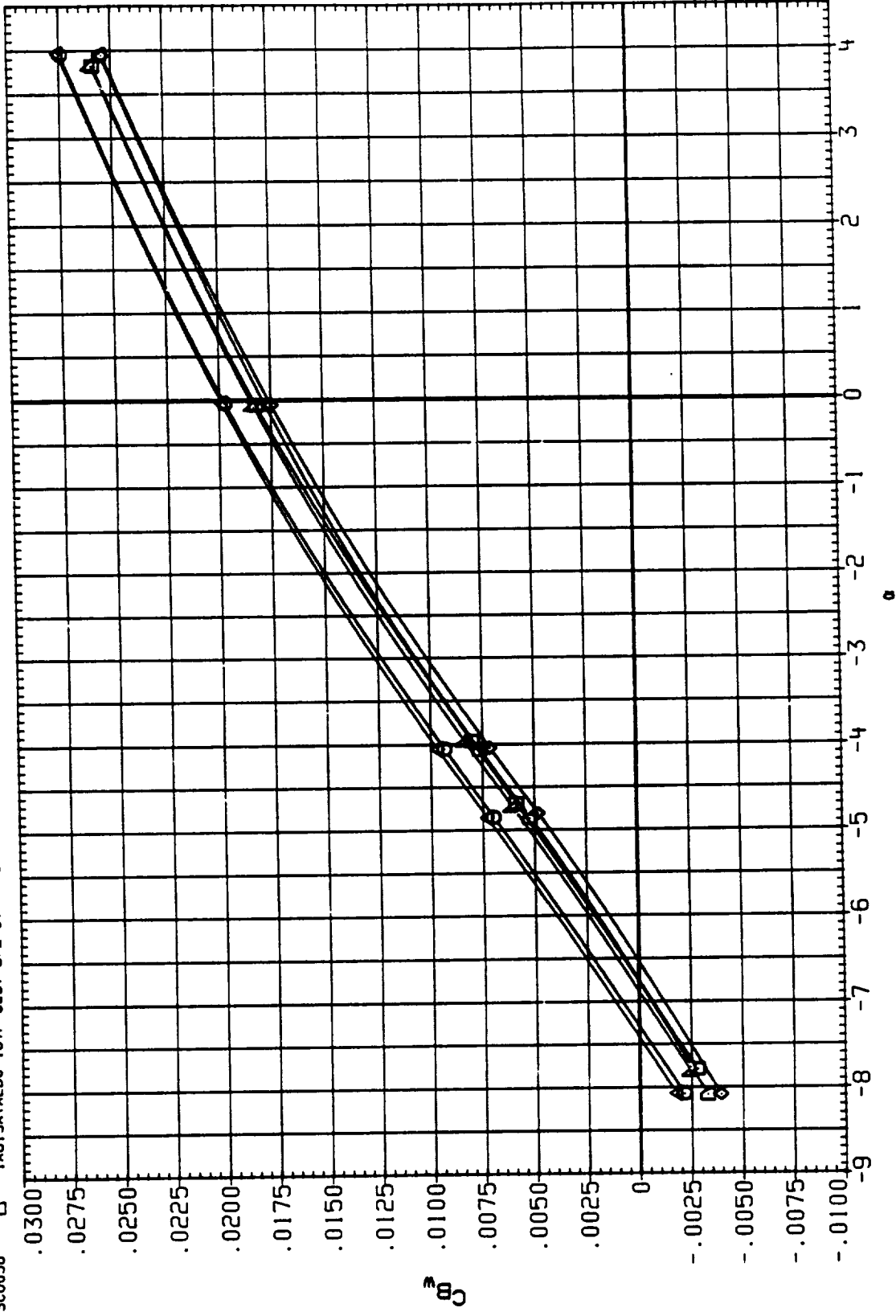


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	IA613AIAEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC0012	IA613AIAEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	1.400	TOP	10.000	5.000
SC0040	IA613AIAEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC00H8	IA613AIAEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.400	TOP	10.000	9.000
YC0026	IA613AIAEDC 161F-829) OT(DOOR OFF)+RSRM + SI.3	1.400	TOP	10.000	5.000
SC0056	IA613AIAEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.400	TOP	10.000	5.000

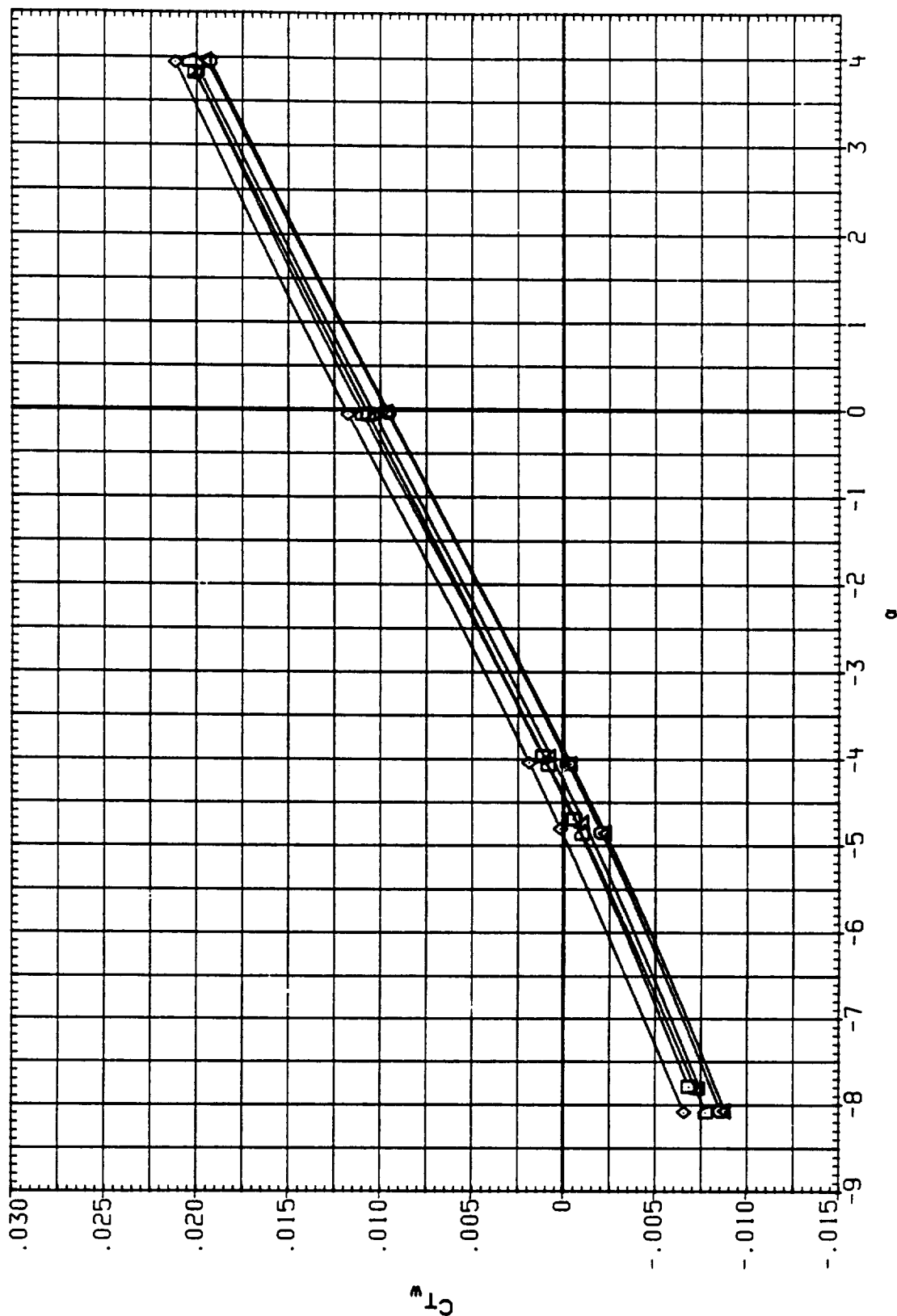


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

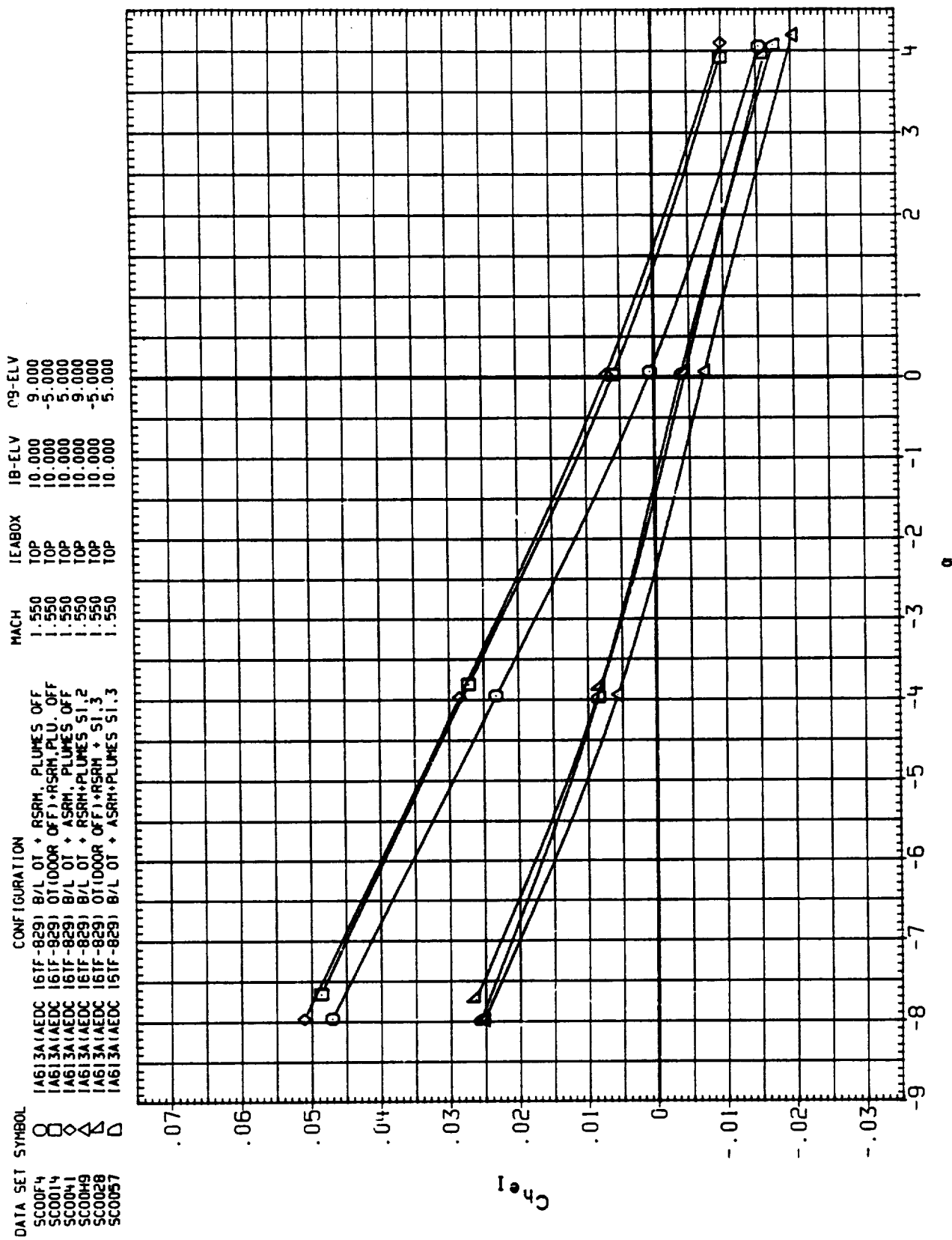


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

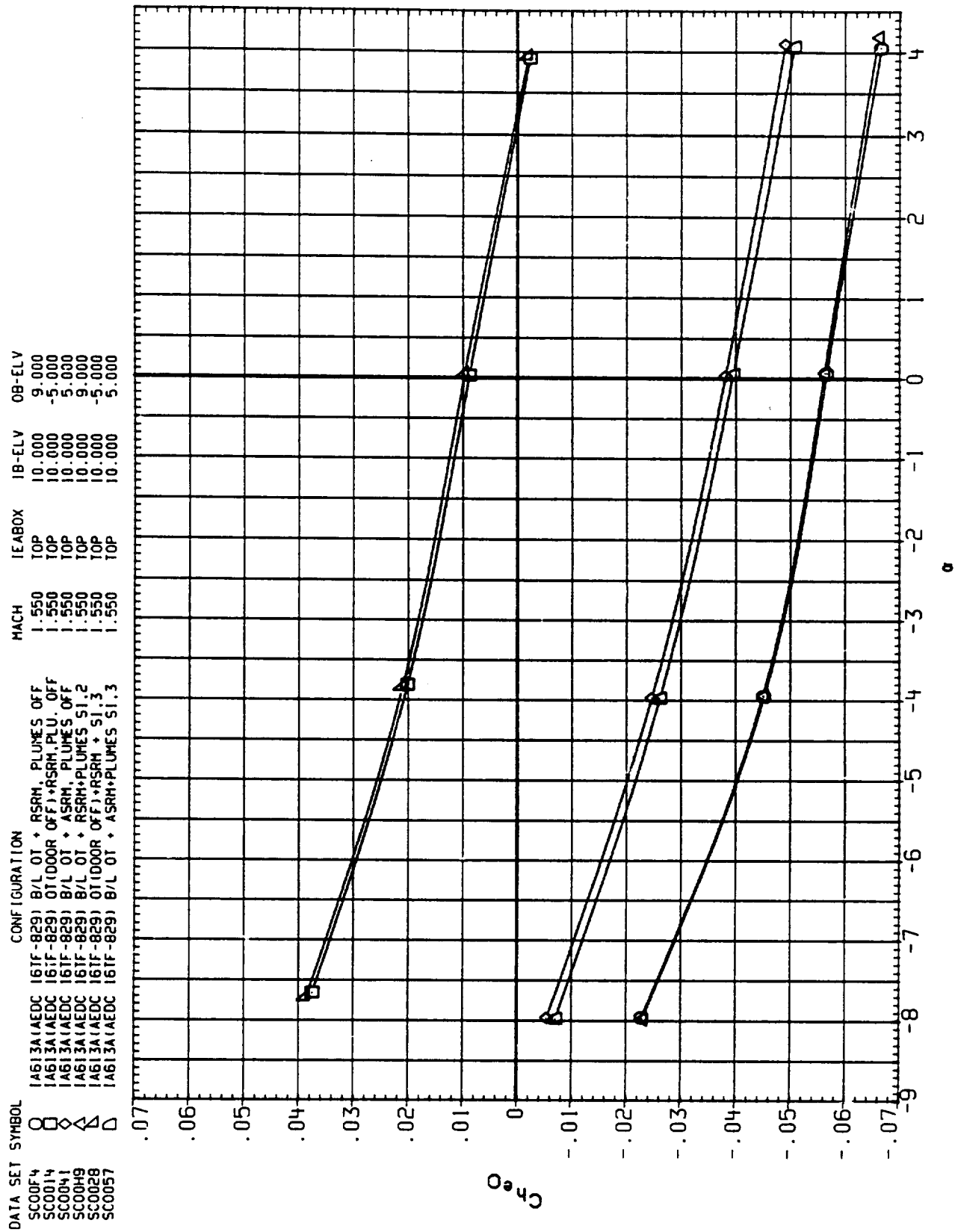


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

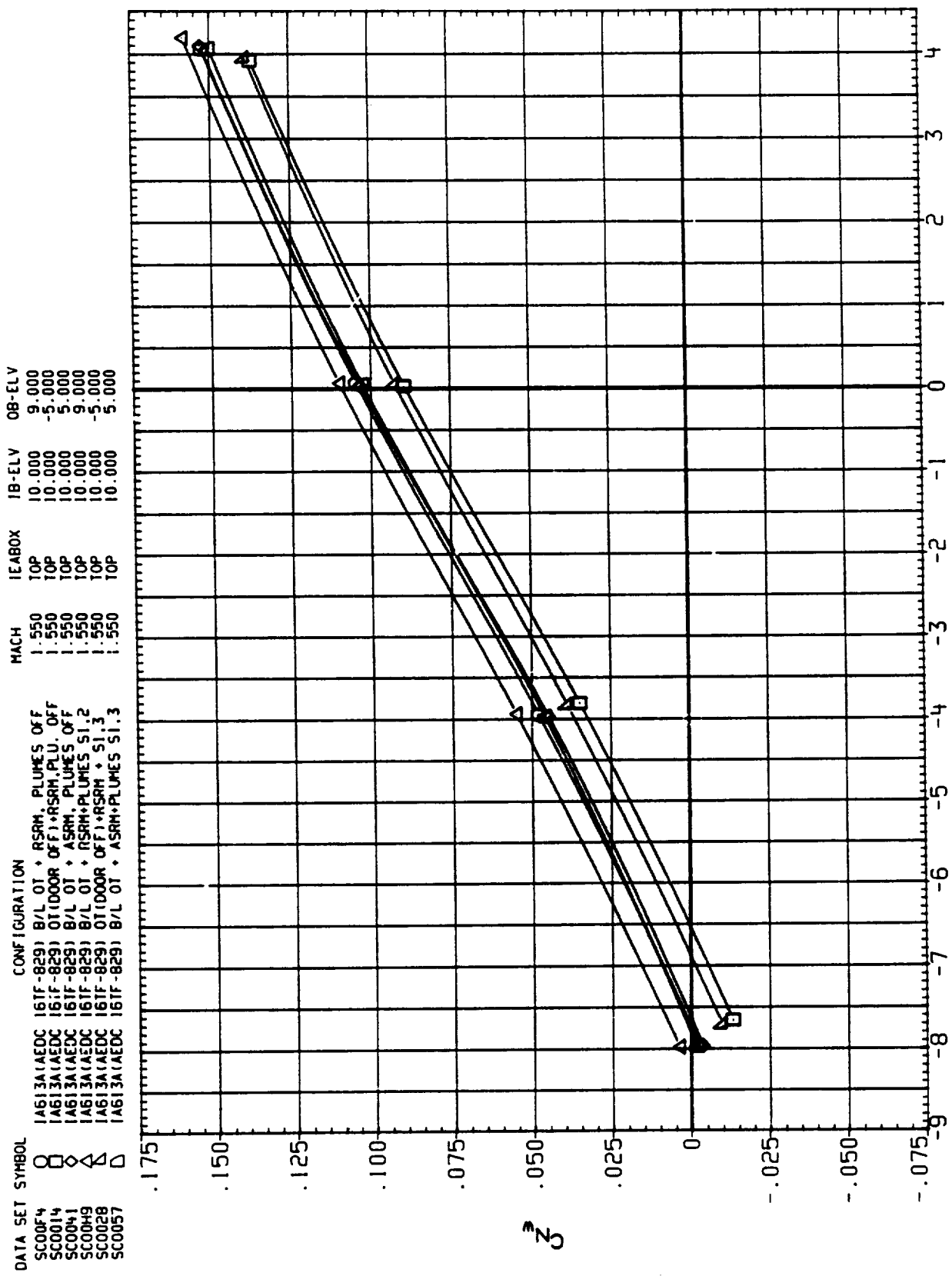


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC00F4	□	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.550	TOP	10.000	9.000
SC0014	□	IA613A(AEDC 161F-829) OT(000R OFF)+RSRH, PLU. OFF	1.550	TOP	10.000	-5.000
SC0041	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	TOP	10.000	5.000
SC00H9	△	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	1.550	TOP	10.000	9.000
SC00Z8	△	IA613A(AEDC 161F-829) OT(000R OFF)+RSRH + S1.3	1.550	TOP	10.000	-5.000
SC00S7	◇	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	TOP	10.000	5.000

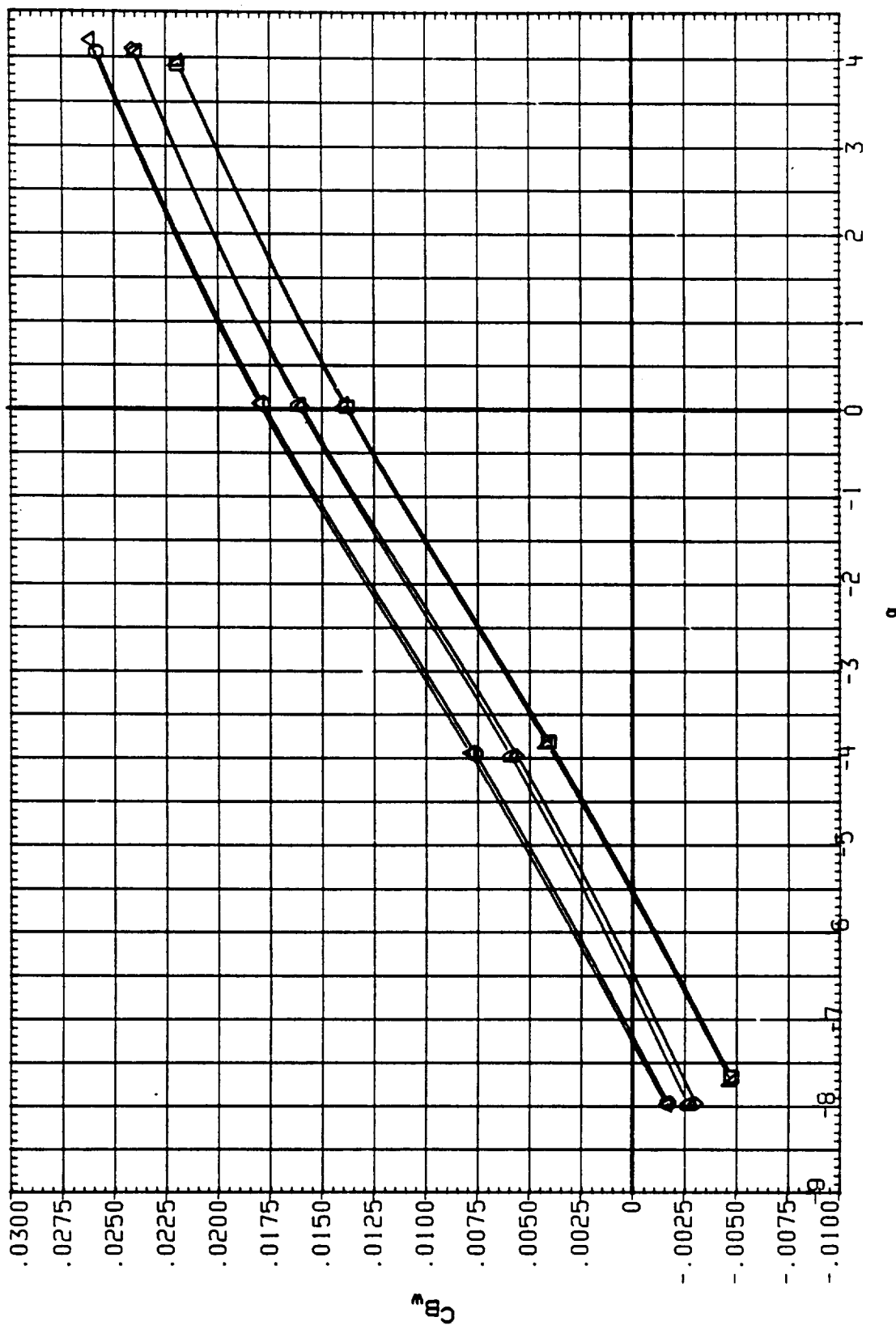


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) RFTA = .00

DATA SET SYMBOL	CONF IGURATION	MACH	IE ABOX	IB-ELV	OB-ELV
SC00F4	IA613A(AEDC 16TF-829) B/L OT + RSRH, PLUMES OFF	1.550	TOP	10.000	9.000
SC0014	IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRH, PLU. OFF	1.550	TOP	10.000	-5.000
SC0041	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	TOP	10.000	5.000
SC00H9	IA613A(AEDC 16TF-829) B/L OT + RSRH+PLUMES SI.2	1.550	TOP	10.000	9.000
SC0028	IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRH + SI.3	1.550	TOP	10.000	-5.000
SC0057	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES SI.3	1.550	TOP	10.000	5.000

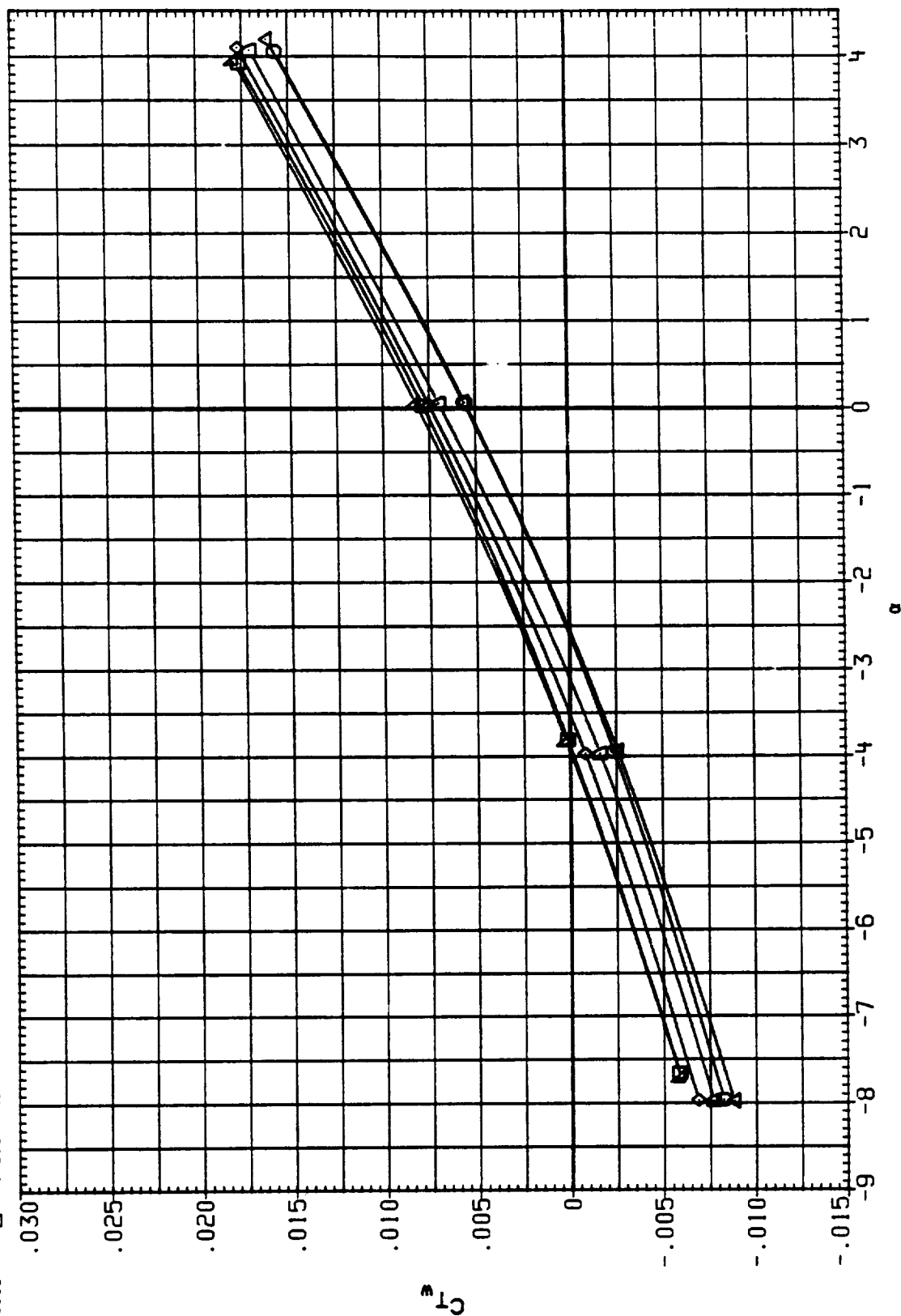


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0004	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	◇	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0029	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.600	TOP	10.000	9.000
RC0042	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.600	TOP	10.000	9.000

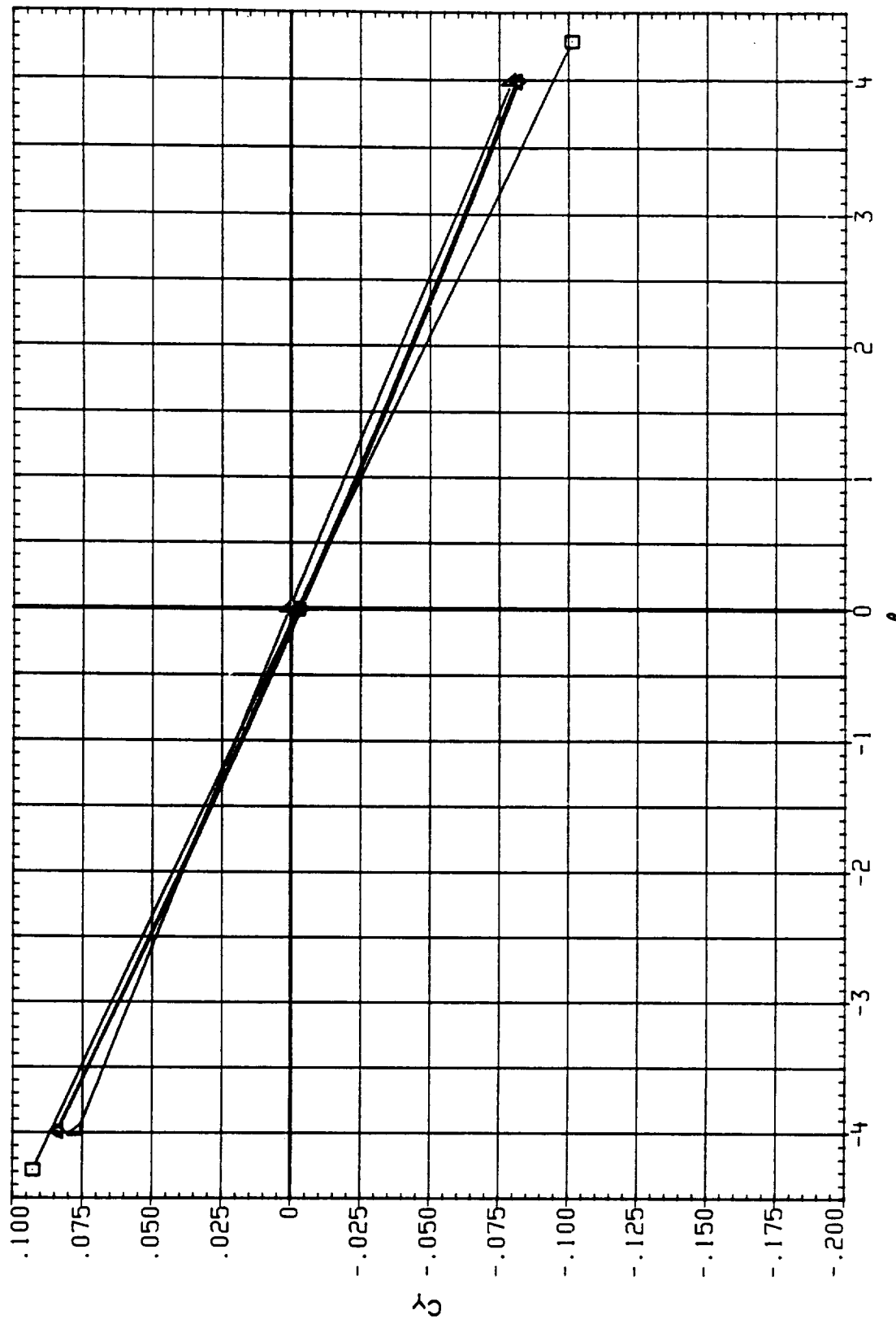


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E4	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	○	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM, PLU OFF	.600	TOP	10.000	9.000
RC0029	△	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	◇	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.600	TOP	10.000	9.000
RC0042	◊	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.600	TOP	10.000	9.000

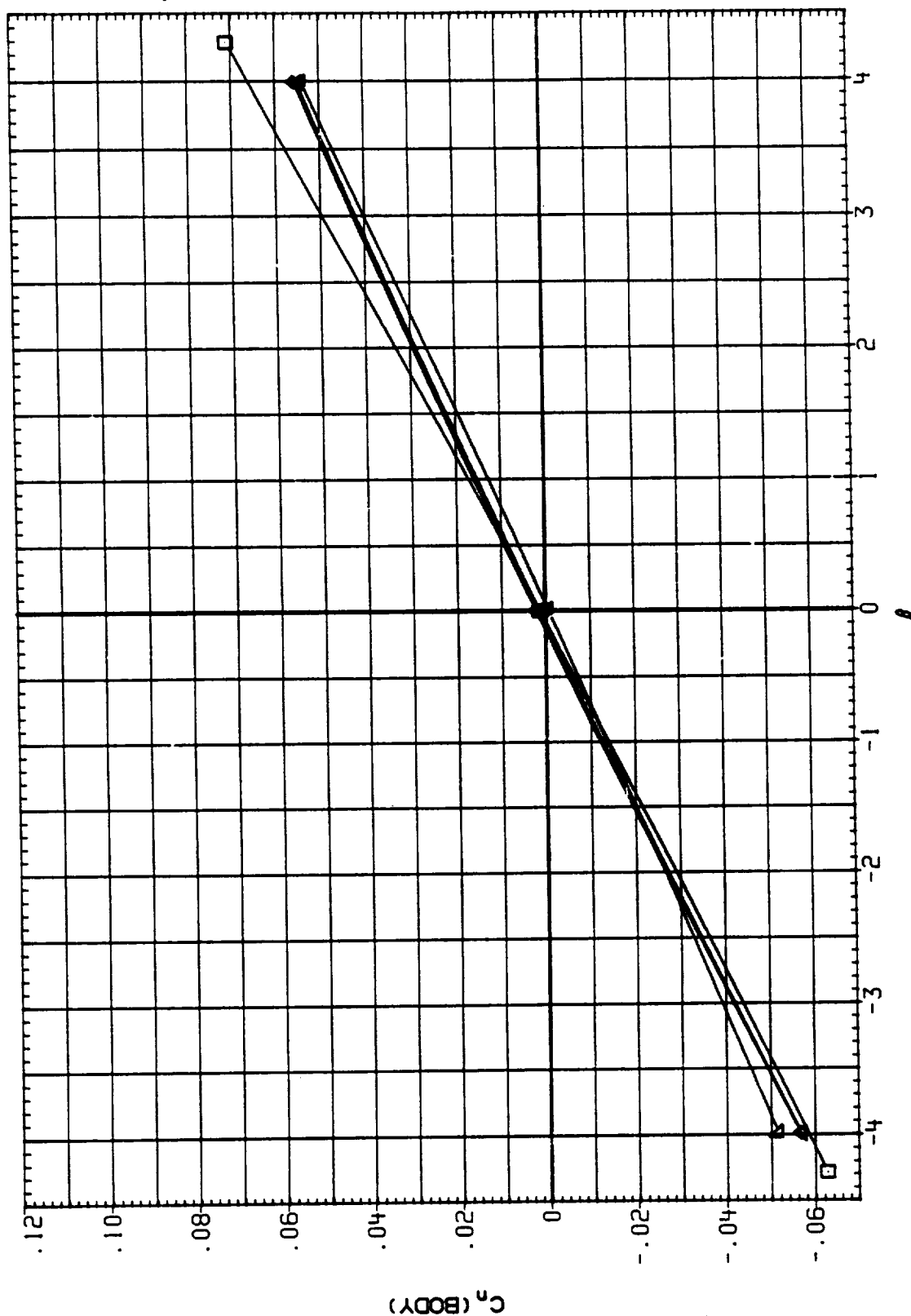


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E4	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	◇	IA613A1AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0029	△	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	▽	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	10.000	9.000
RC0042	◻	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000

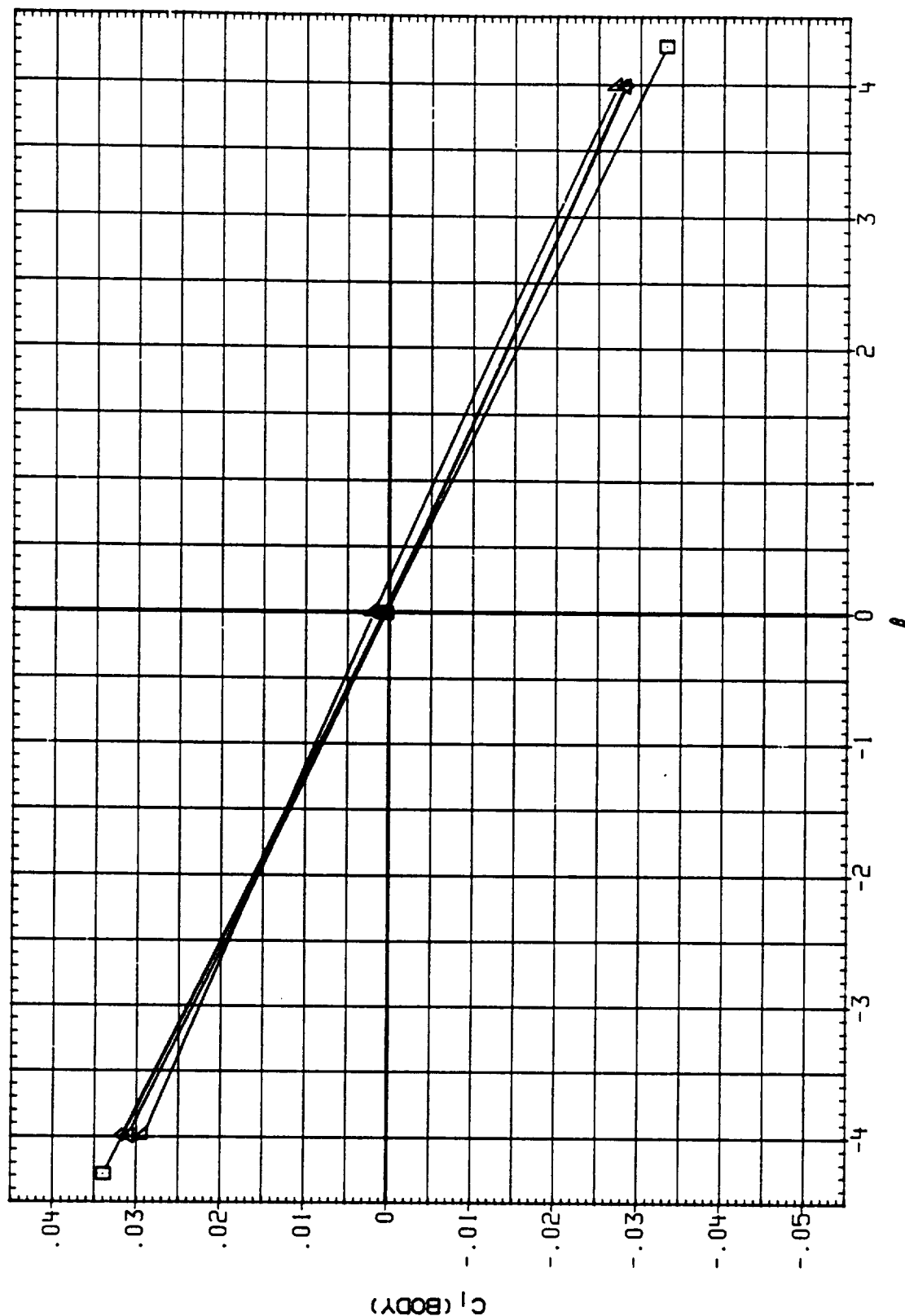


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0003	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	IA613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.800	TOP	10.000	9.000
RC0043	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.800	TOP	10.000	9.000

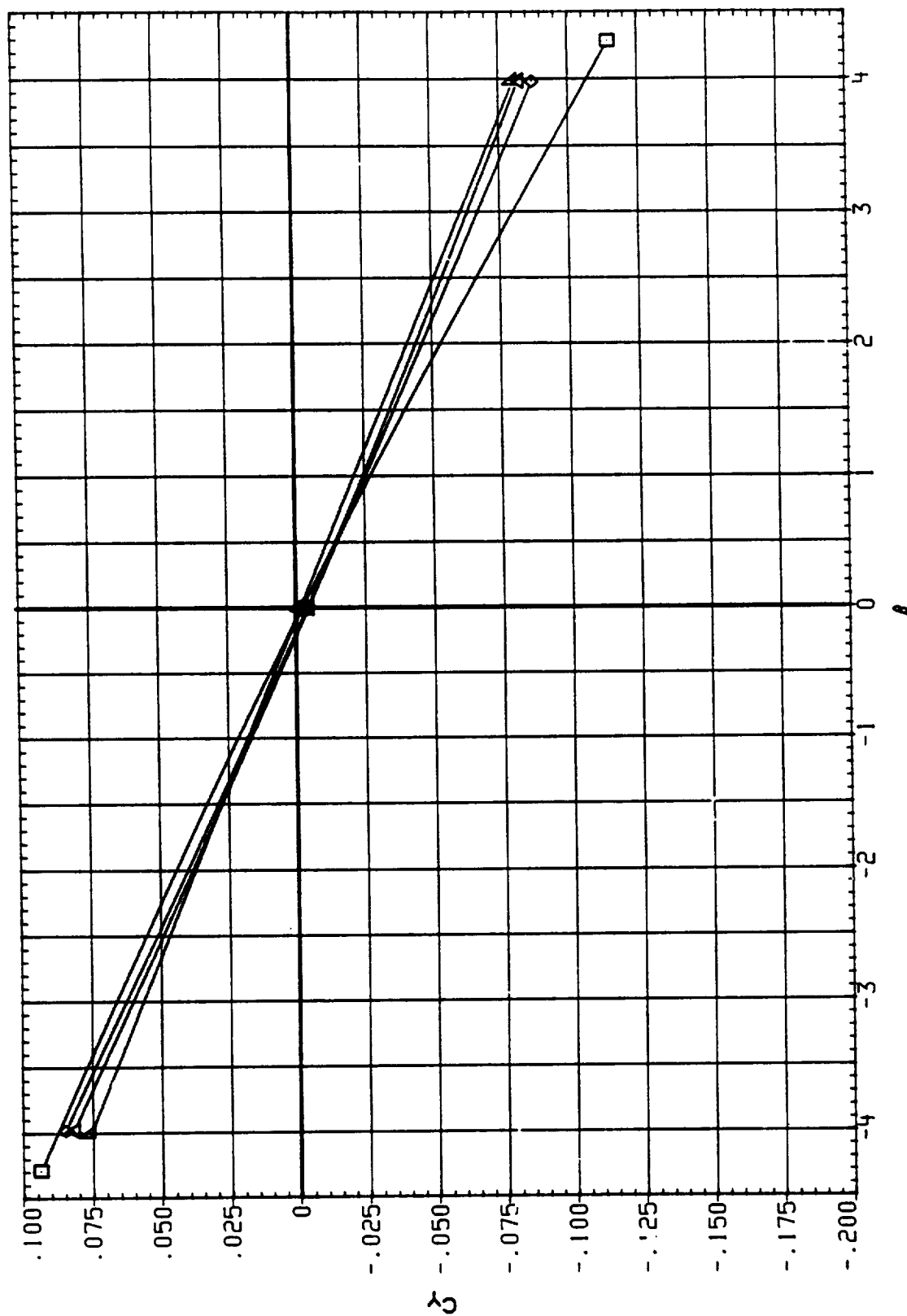


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	TEABOX	IB-ELV	OB-ELV
RC0005	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	◇	IA613A1AEDC 16:F-829) OT(000R OFF)+RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	△	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES 51.2	.800	TOP	10.000	9.000
RC0043	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.800	TOP	10.000	9.000

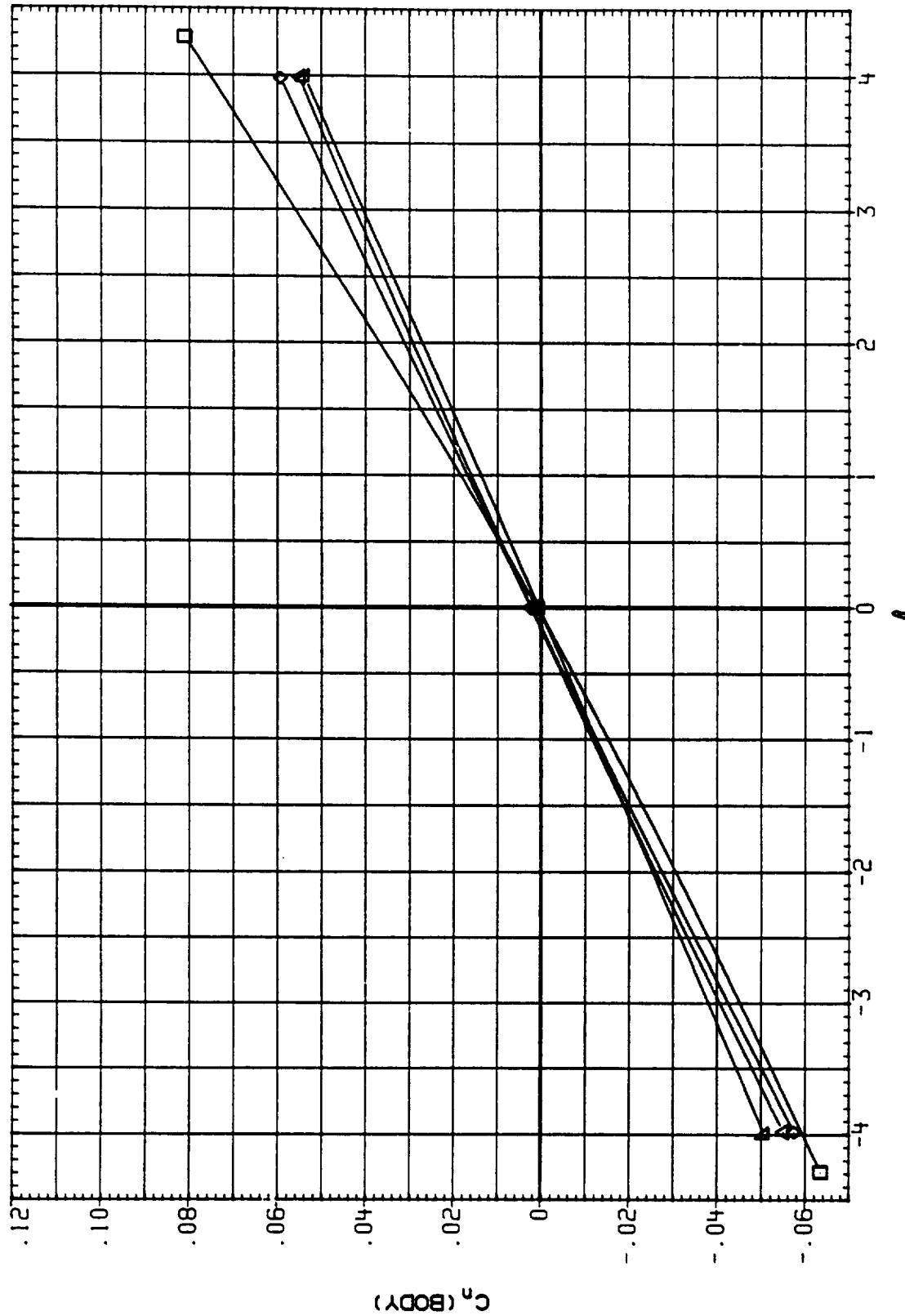


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0005	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	1A613A1AEDC 161F-829) 011000R OFF + RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	.800	TOP	10.000	9.000
RC0043	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	.800	TOP	10.000	9.000

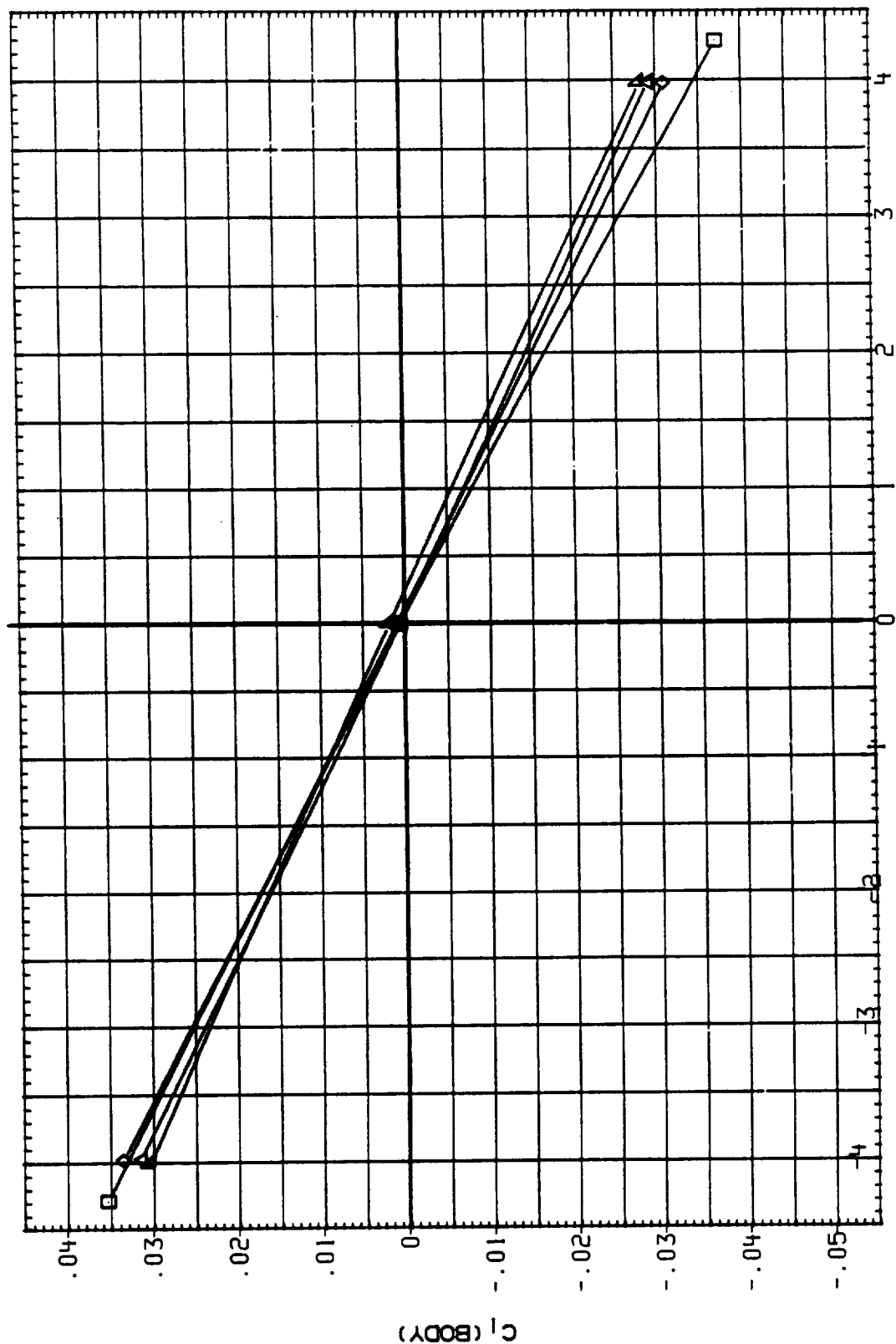


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0006	□	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRH, PLU. OFF	.900	TOP	10.000	9.000
RC0031	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	△	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	.900	TOP	10.000	9.000
RC0044	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.900	TOP	10.000	9.000

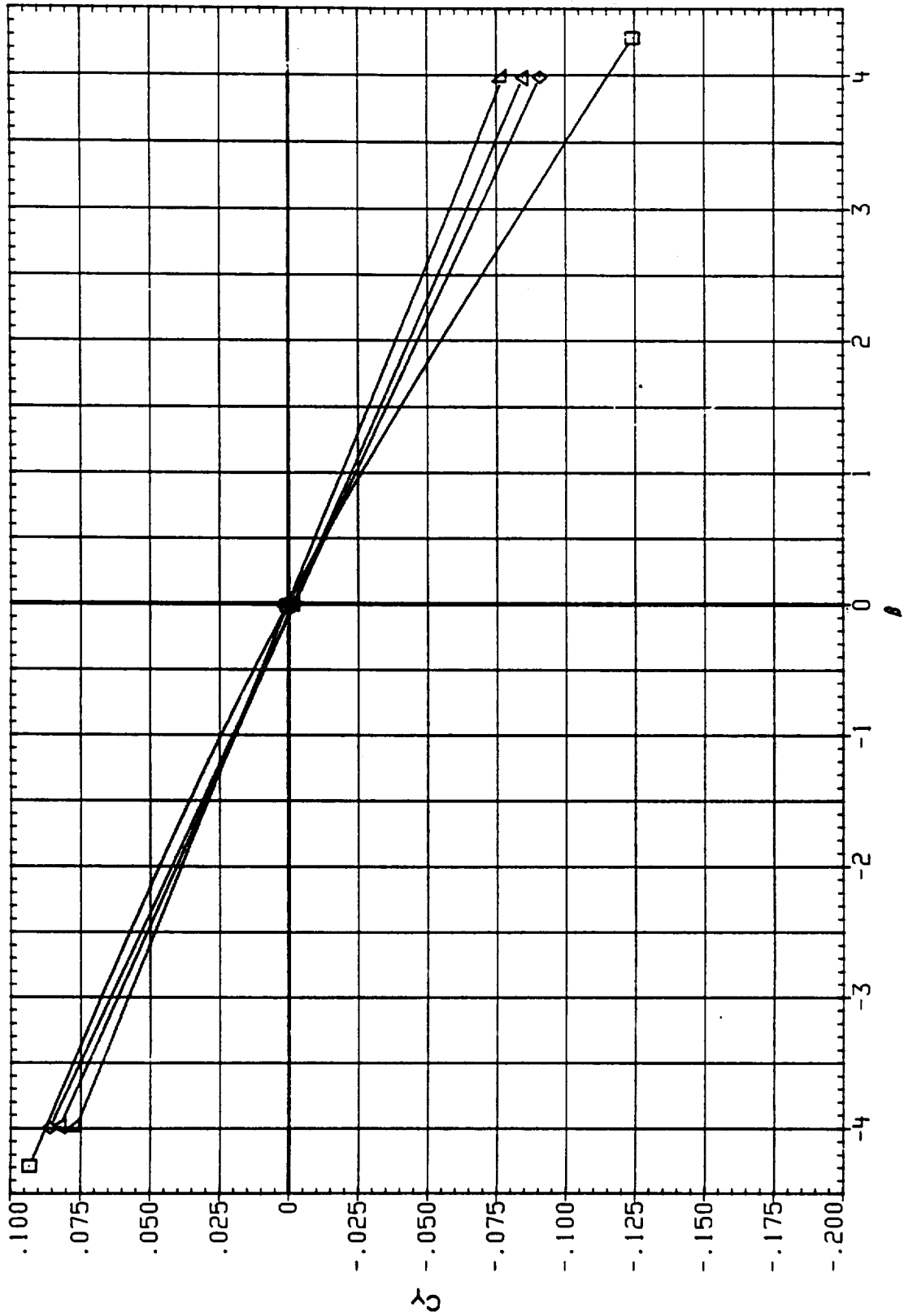


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0006	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	□	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	.900	TOP	10.000	9.000
RC0044	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	.900	TOP	10.000	9.000

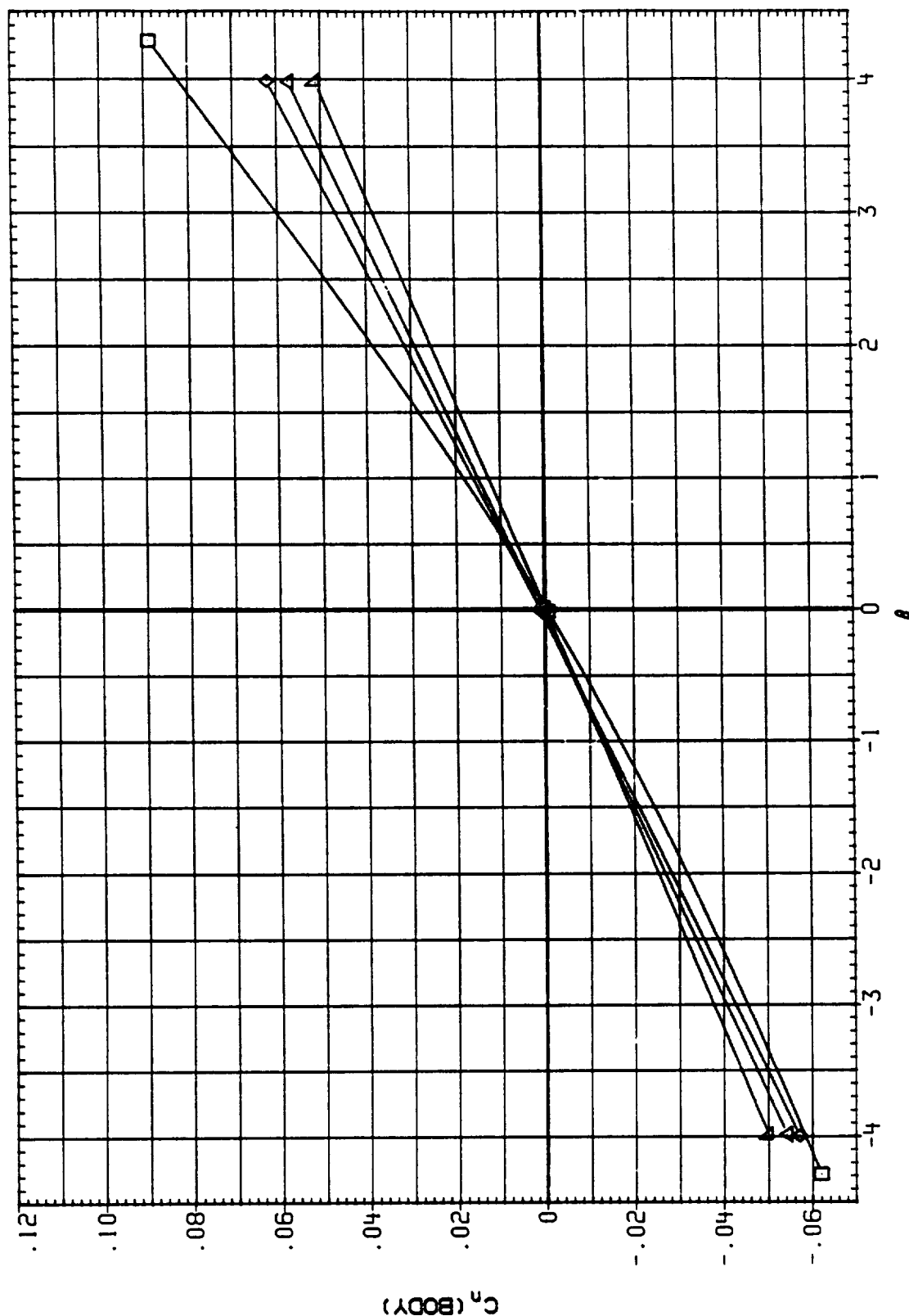


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0006	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	◇	IA613A(AEDC 161F-829) OT/DOOR OFF + RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
RC0044	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

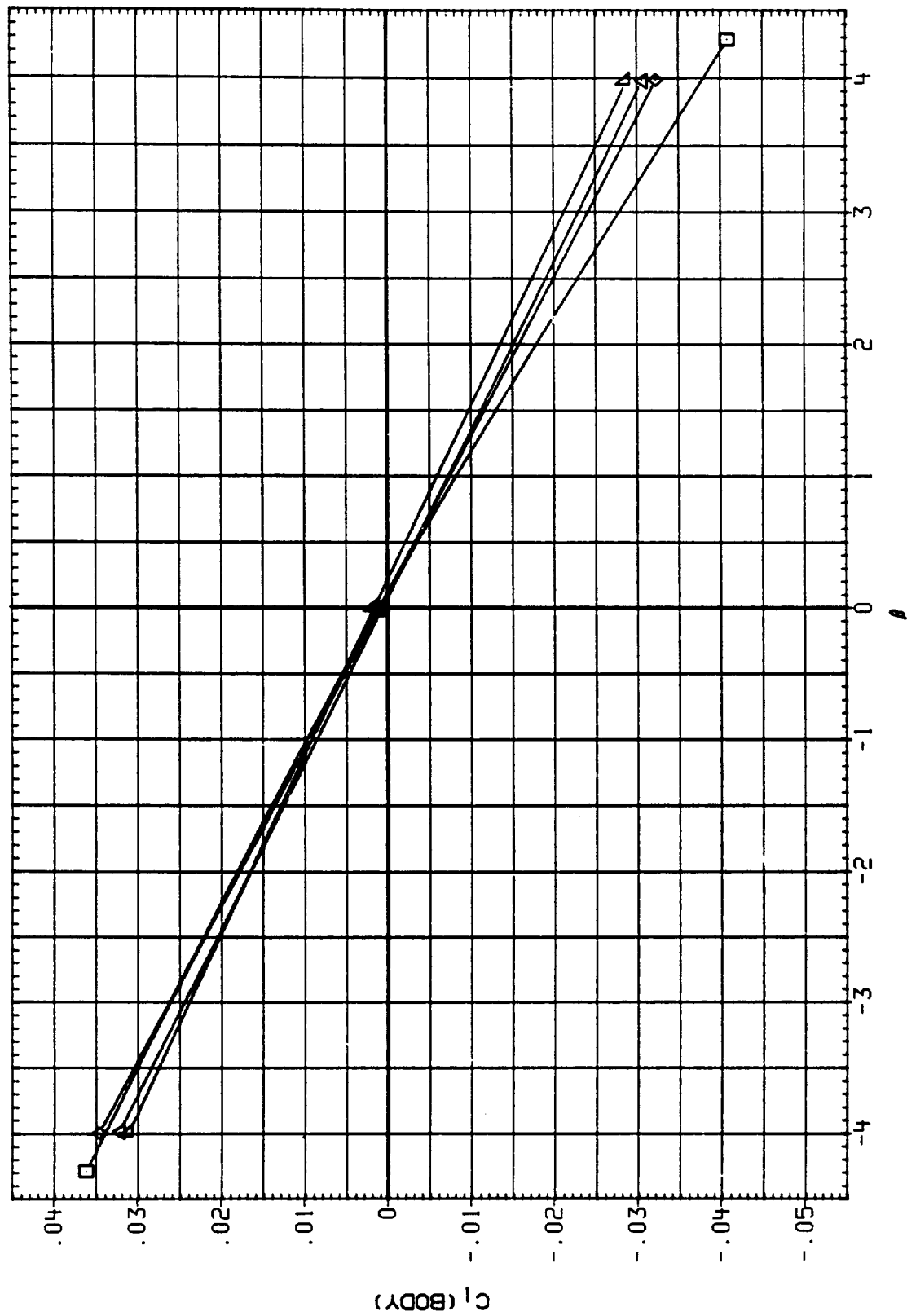


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MA-H	IE-BOX	IB-ELV	OB-ELV
RC00E7	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.950	TOP	10.000	9.000
RC0045	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.950	TOP	10.000	9.000

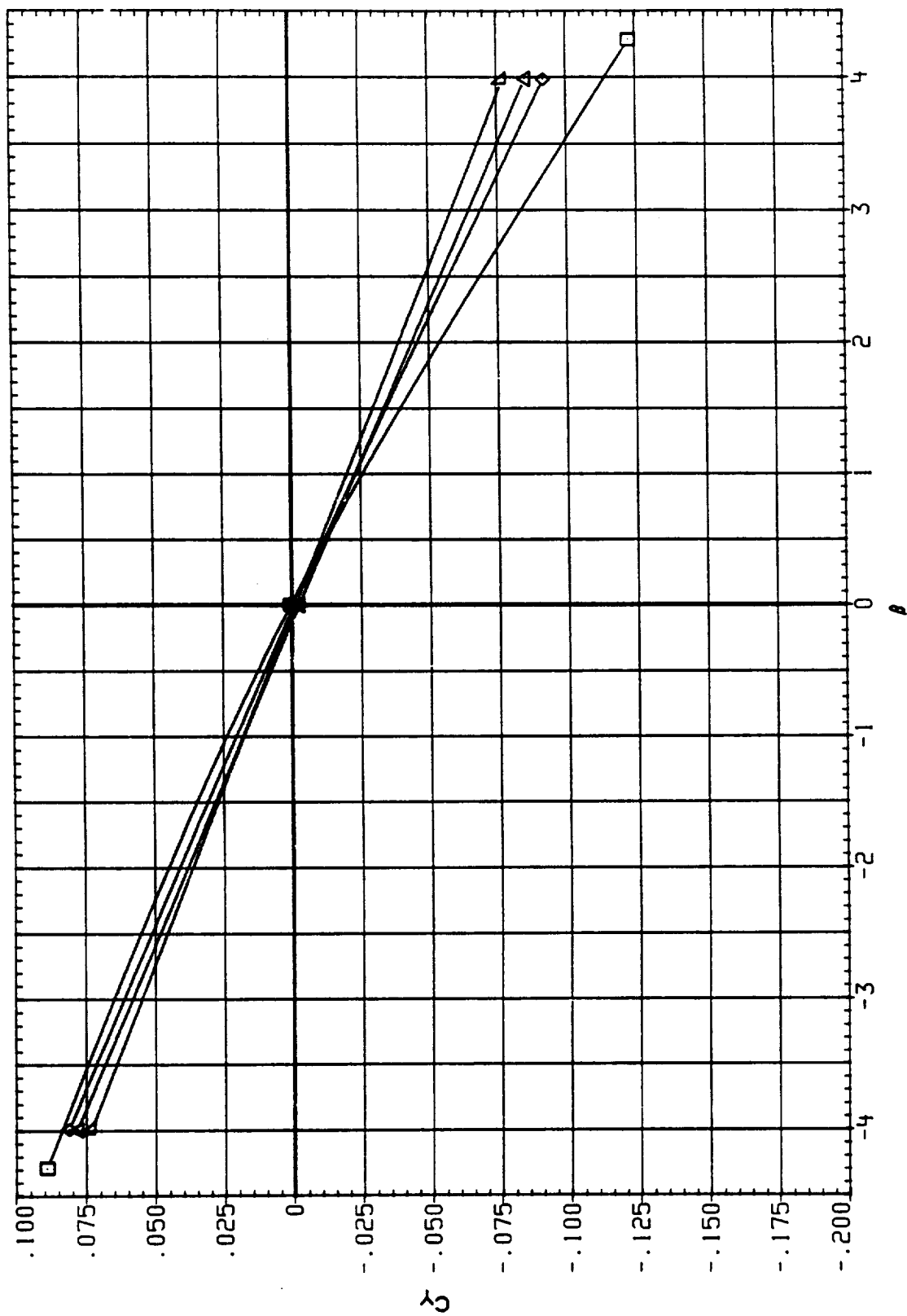


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC00E7	IA613A(AEDC 16TF-829) B/L OT + RSRH, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A(AEDC 16TF-829) OT(000R OFF)+RSRH, PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A(AEDC 16TF-829) B/L OT + RSRH+PLUMES S1.2	.950	TOP	10.000	9.000
RC0045	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.950	TOP	10.000	9.000

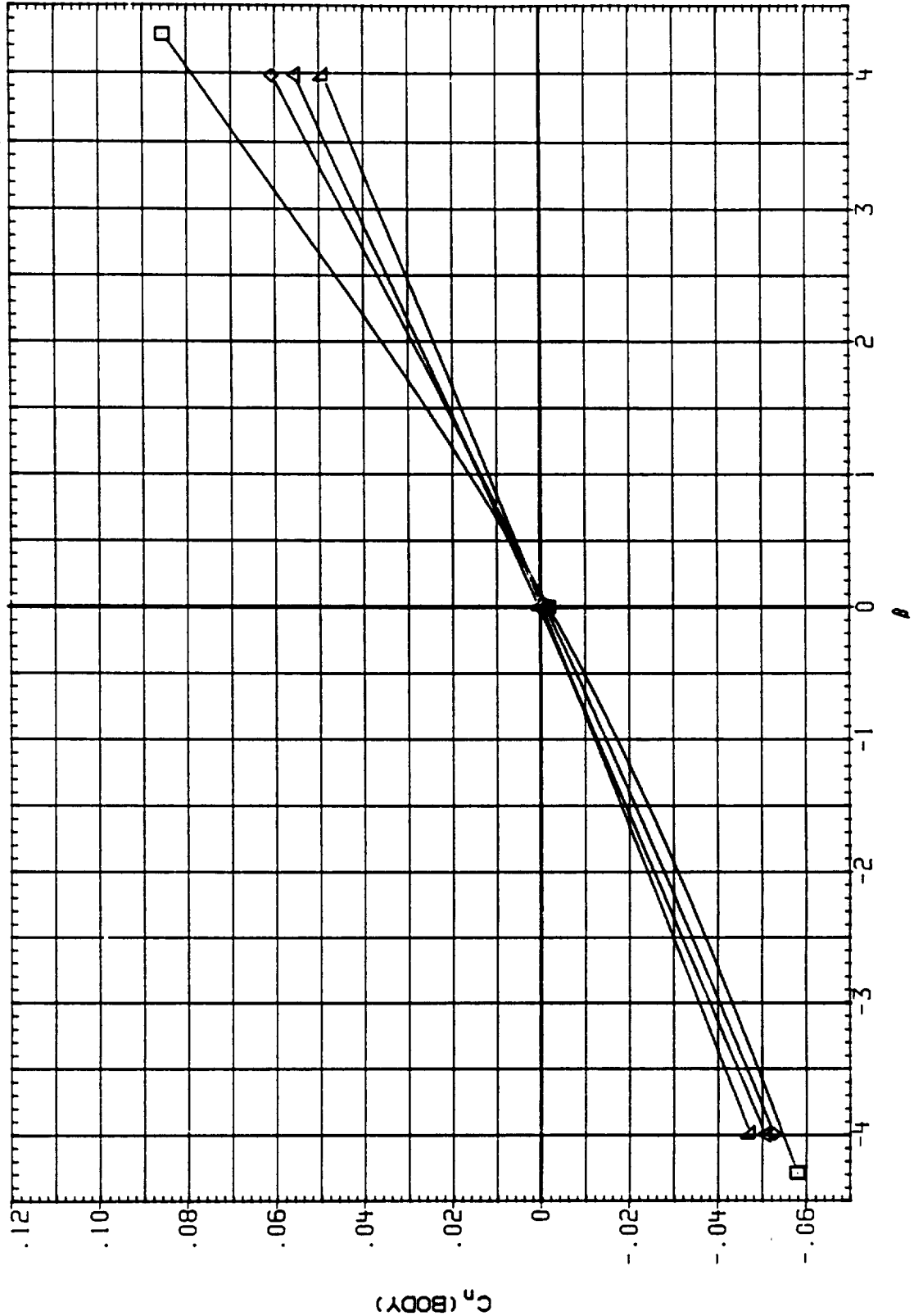


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0007	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A1AEDC 161F-829) OT(1000R OFF)+RSRM,PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES 51.2	.950	TOP	10.000	9.000
RC0045	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	.950	TOP	10.000	9.000

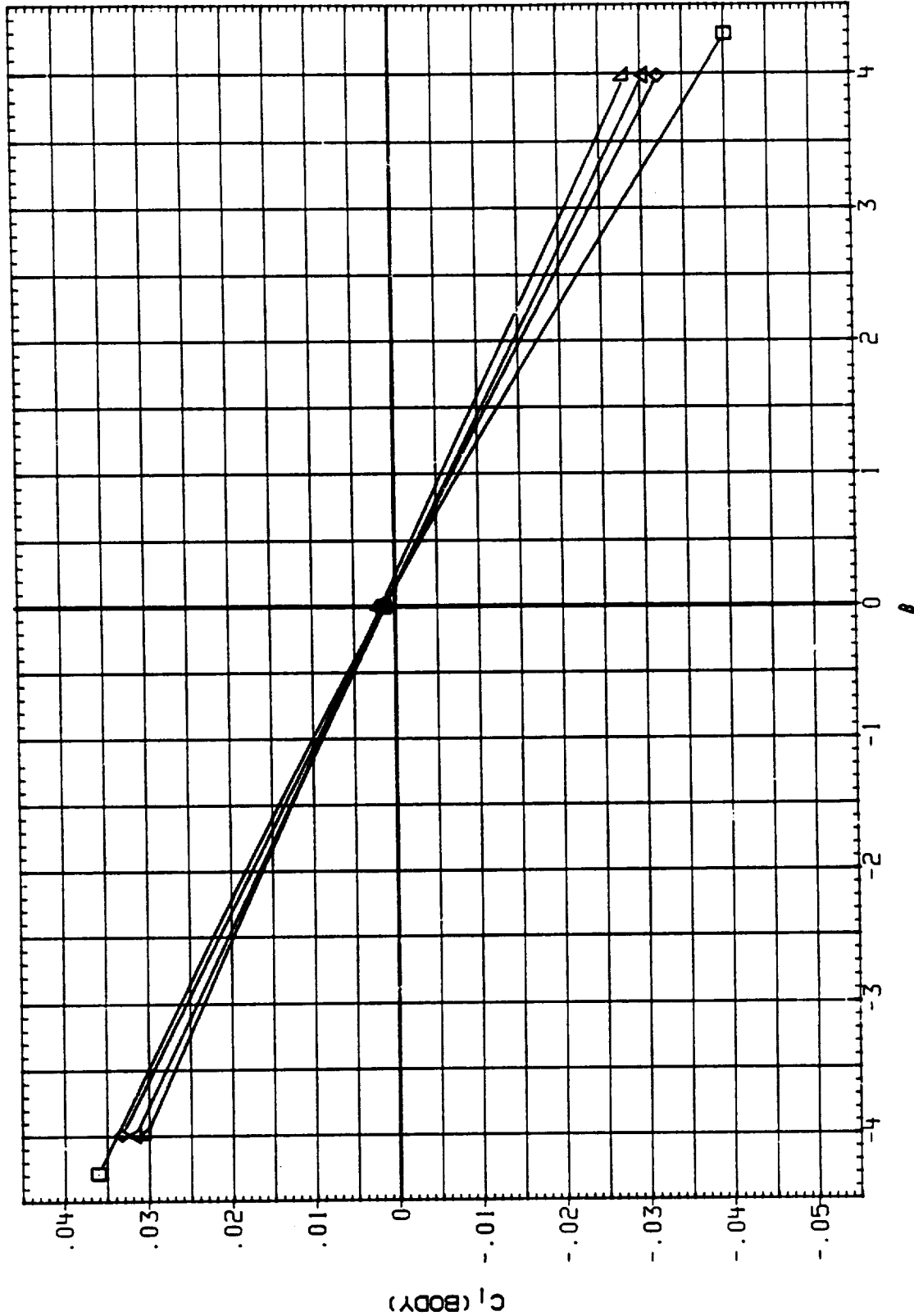


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0008	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	○	IA613A1AEDC 16TF-829) OT1000R OF FJ + RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	△	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
RC0046	△	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

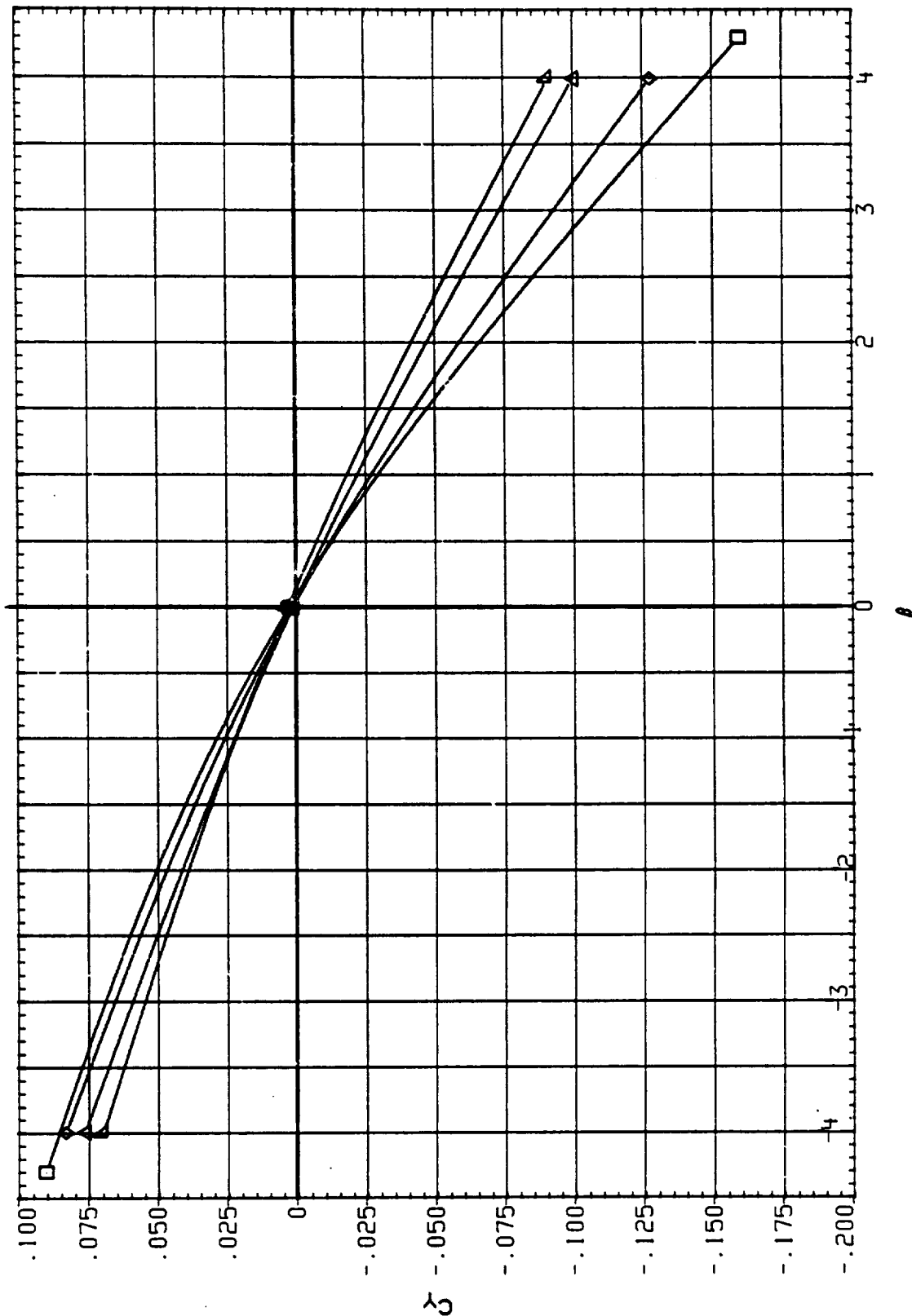


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
RC0008	□	IAGI3A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	◇	IAGI3A1AEDC 16TF-829) OT1000R OF F1+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	△	IAGI3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	△	IAGI3A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
RC0046	△	IAGI3A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000

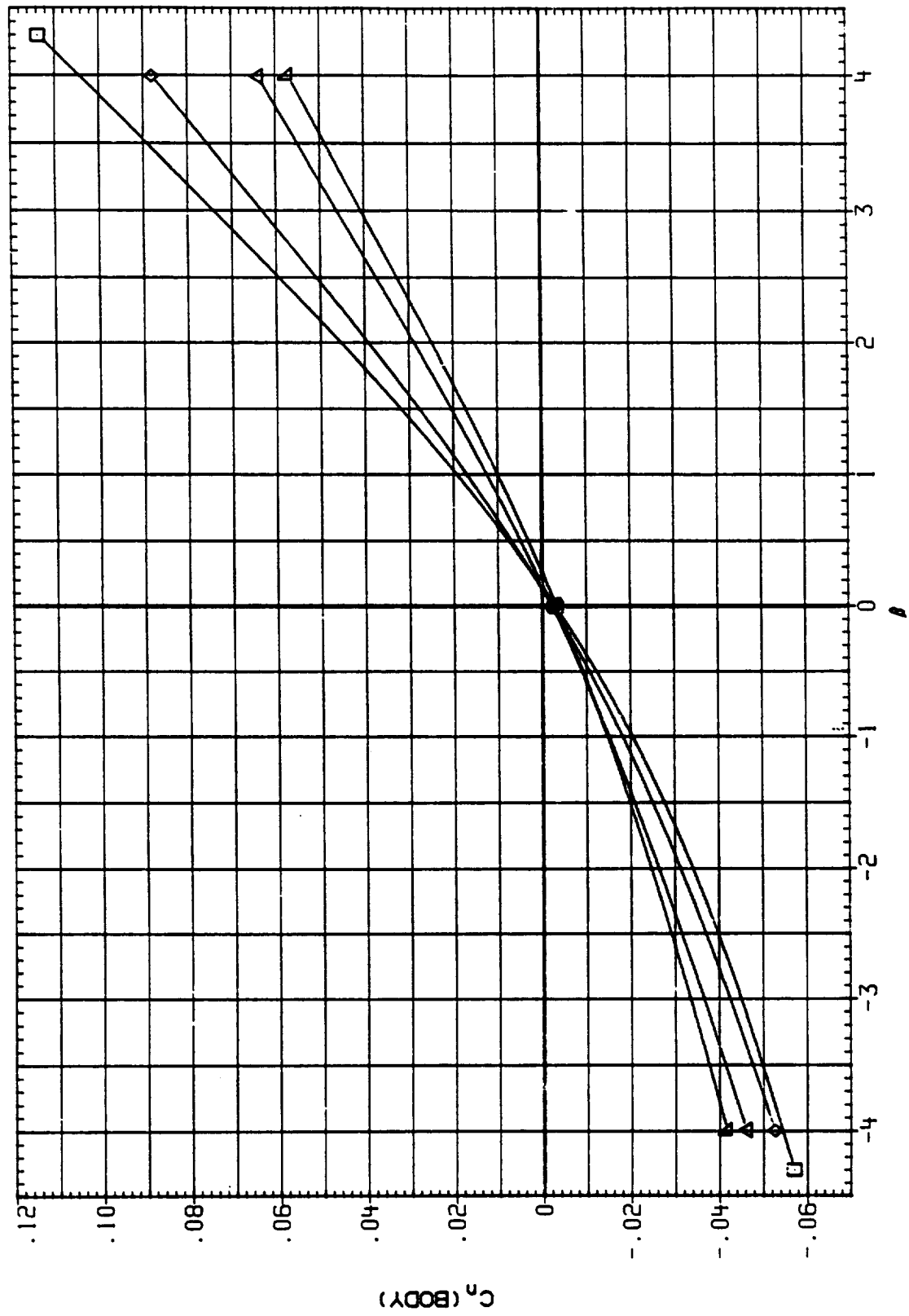


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LE/BOX	LE/FL	LE/FL*
RC0008	□	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	□	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	◇	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES 51.2	1.050	TOP	10.000	9.000
RC0046	△	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	1.050	TOP	10.000	9.000

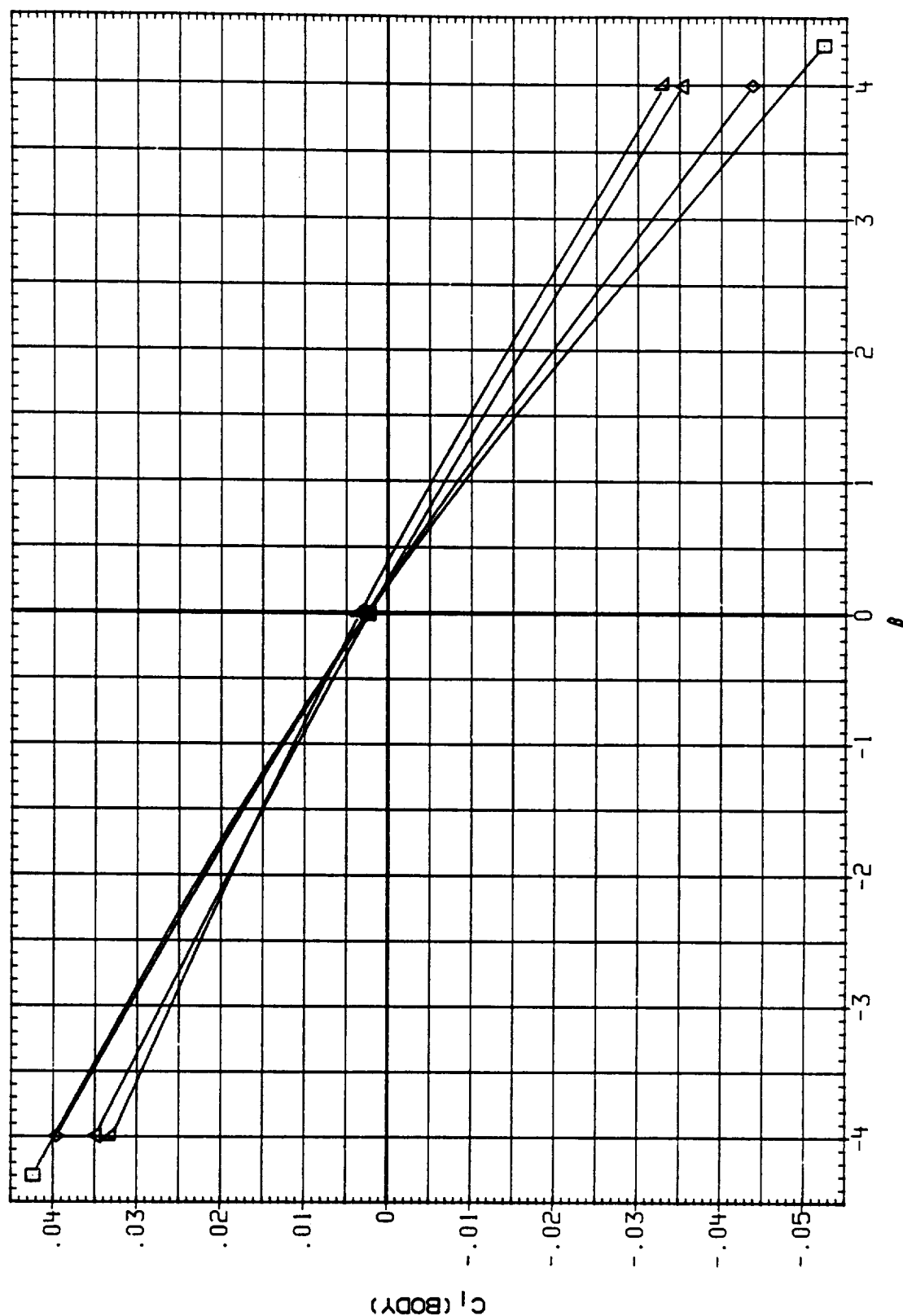


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
RC0009	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	□	IA613A1AEDC 16TF-829) OT1000R OF F1+ASRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	1.100	TOP	10.000	9.000
RC0047	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	1.100	TOP	10.000	9.000

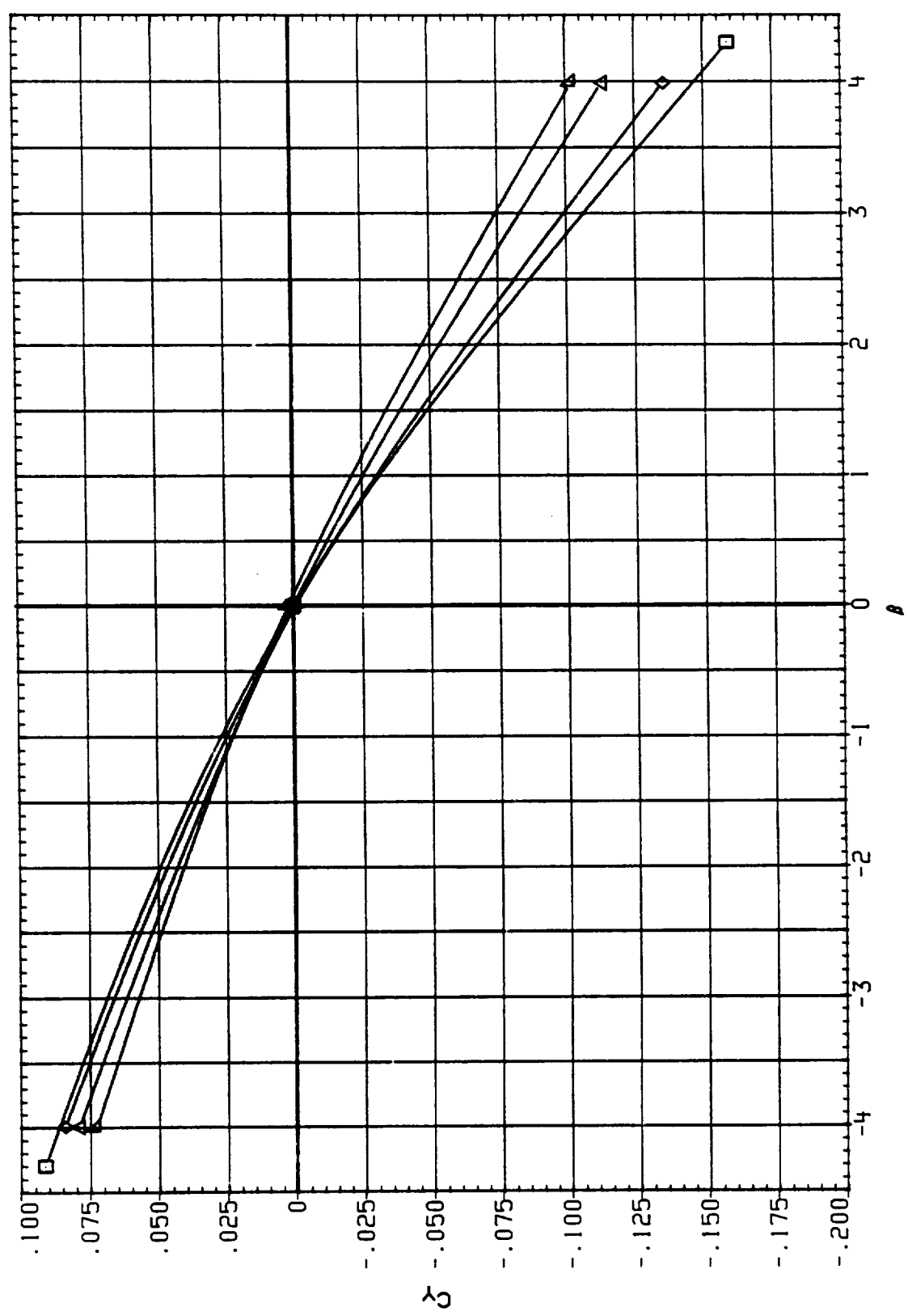


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	IA613A1AEDC 16TF-829) OT(000R OFF)+RSRM,PLU. OFF	1.100	TOP	10.000	9.000
RC0034	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
RC0047	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

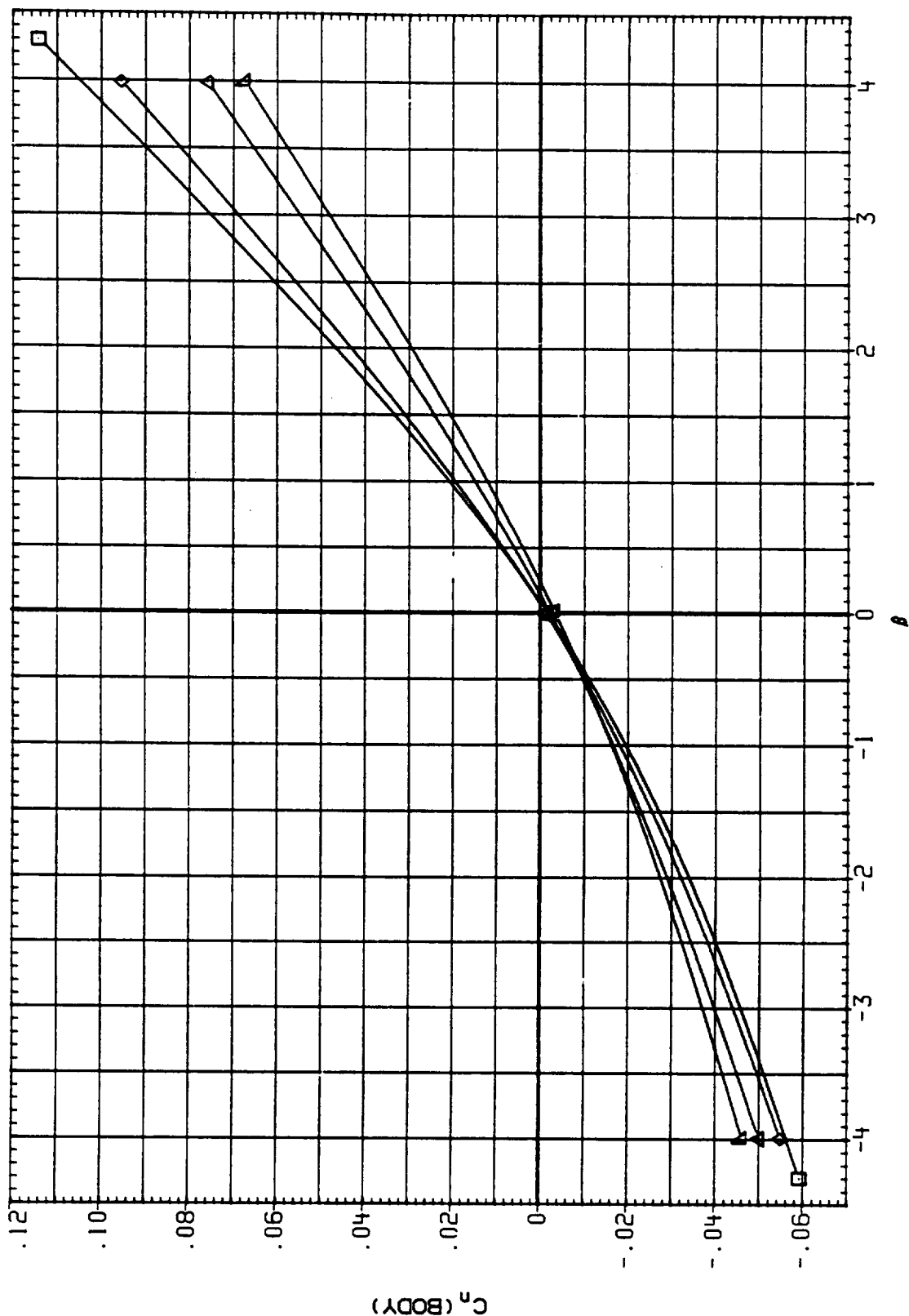


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	IA613A(AEDC 16TF-829) OT(000R OFF)+ASRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.100	TOP	10.000	9.000
RC0047	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.100	TOP	10.000	9.000

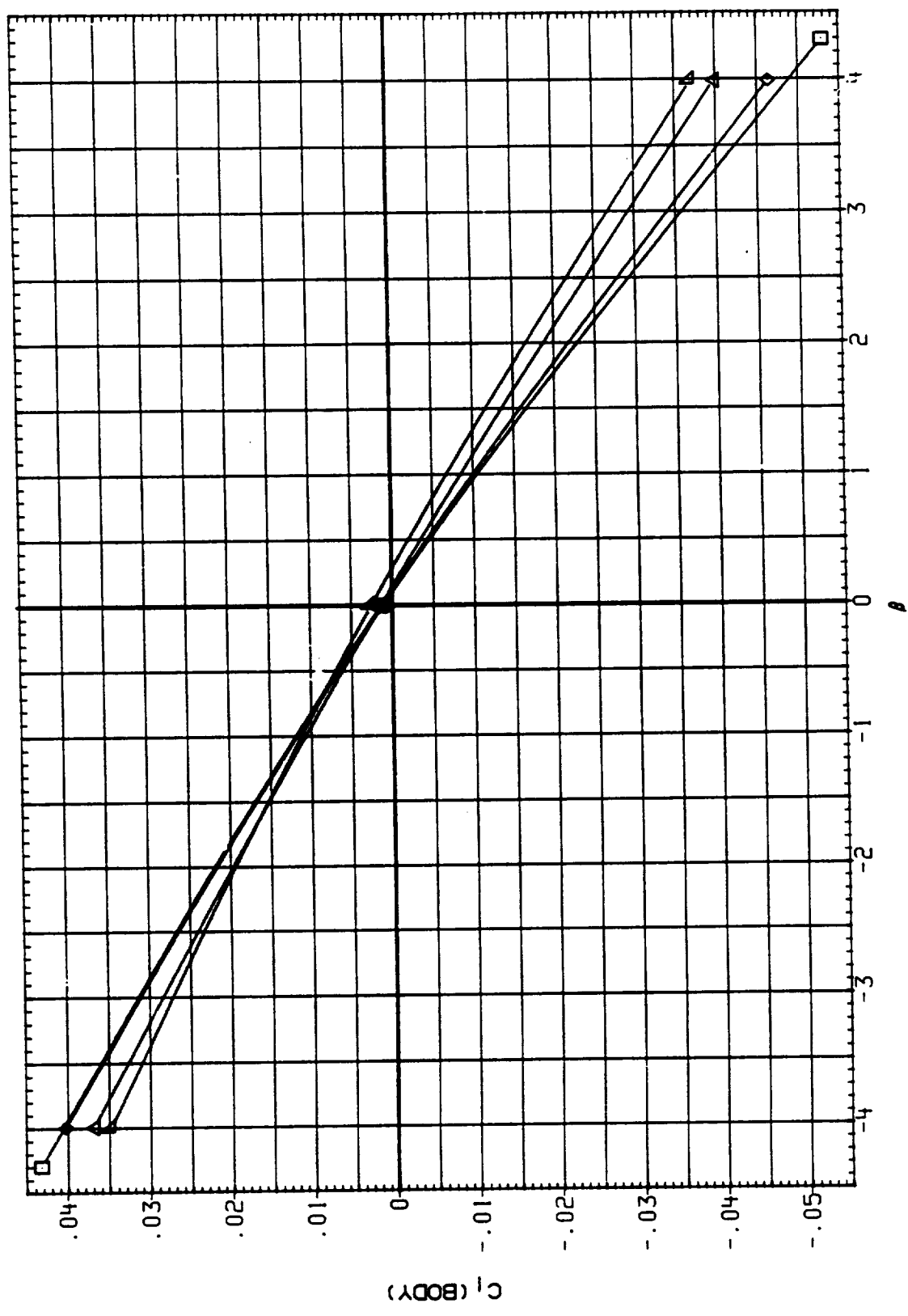


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
RC0000	□	1A613A1AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	◇	1A613A1AEDC 161F-829) OT(000R OFF)+RSRH,PLU. OFF	1.150	TOP	10.000	9.000
RC0035	◇	1A613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	△	1A613A1AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	1.150	TOP	10.000	9.000
RC0048	△	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	9.000

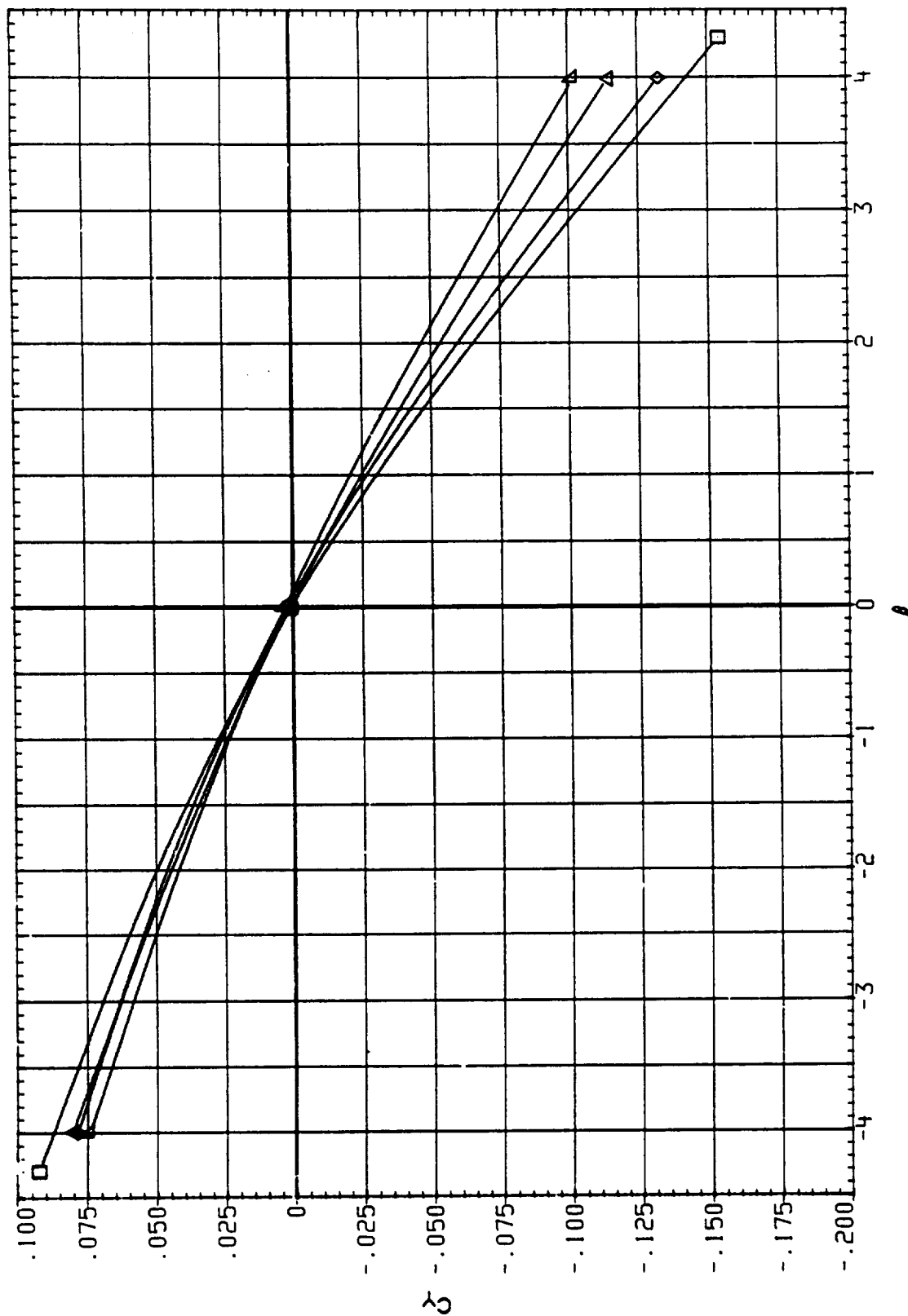


FIG. 3 EFFECT OF ASRH AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F0	IASI3AIAEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	IASI3AIAEDC 16TF-829) OT+DOOR OFF + RSRM, PLU. OFF	1.150	TOP	10.000	9.000
RC0035	IASI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	IASI3AIAEDC 16TF-829) B/L OT + RSRM+PLUMES SI.2	1.150	TOP	10.000	9.000
RC0048	IASI3AIAEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.150	TOP	10.000	9.000

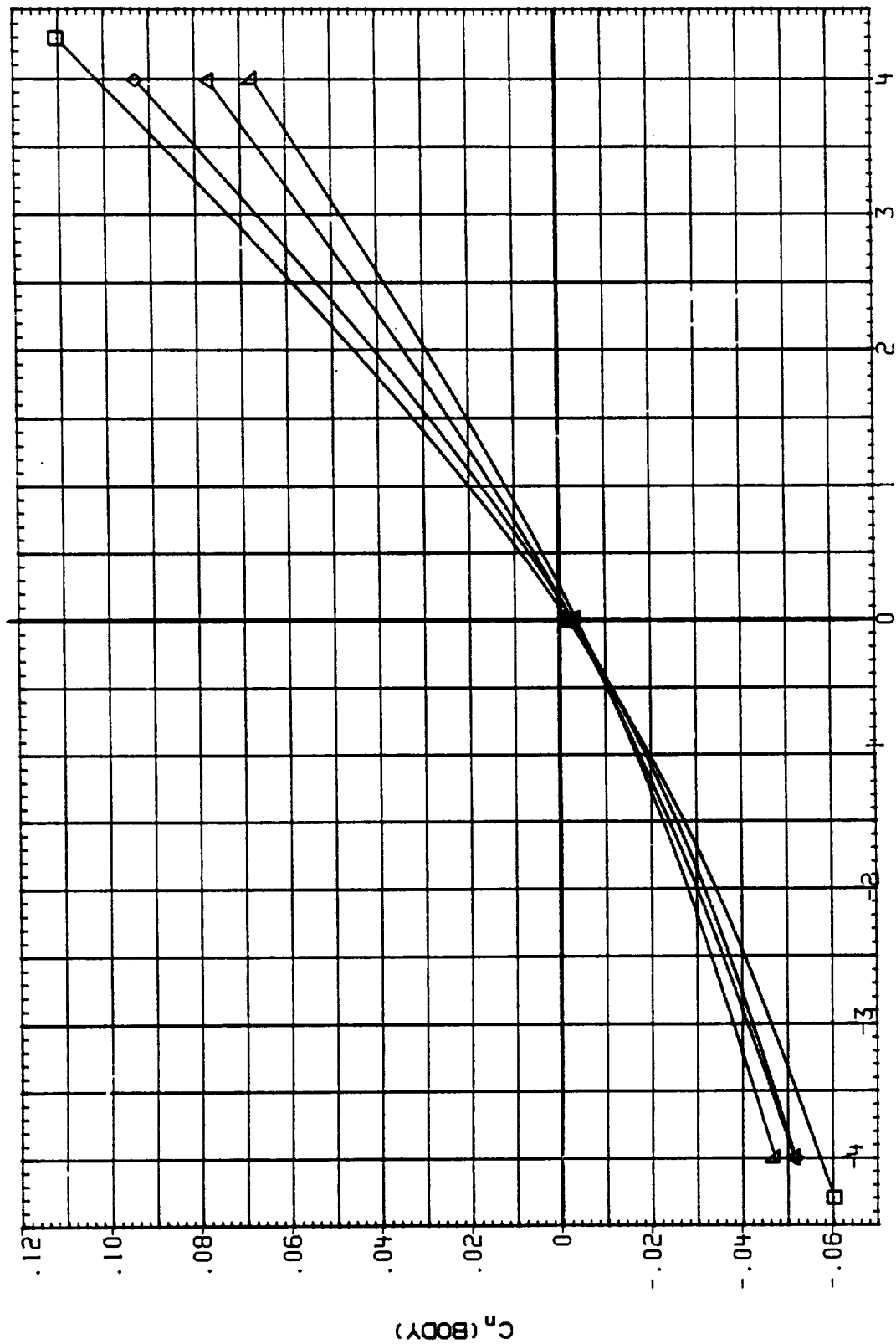


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

() ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F0	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	IA613A(AEDC 161F-829) OT(DOOR OFF)+PSRM,PLU. OFF	1.150	TOP	10.000	9.000
RC0035	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	1.150	TOP	10.000	9.000
RC0048	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.150	TOP	10.000	9.000

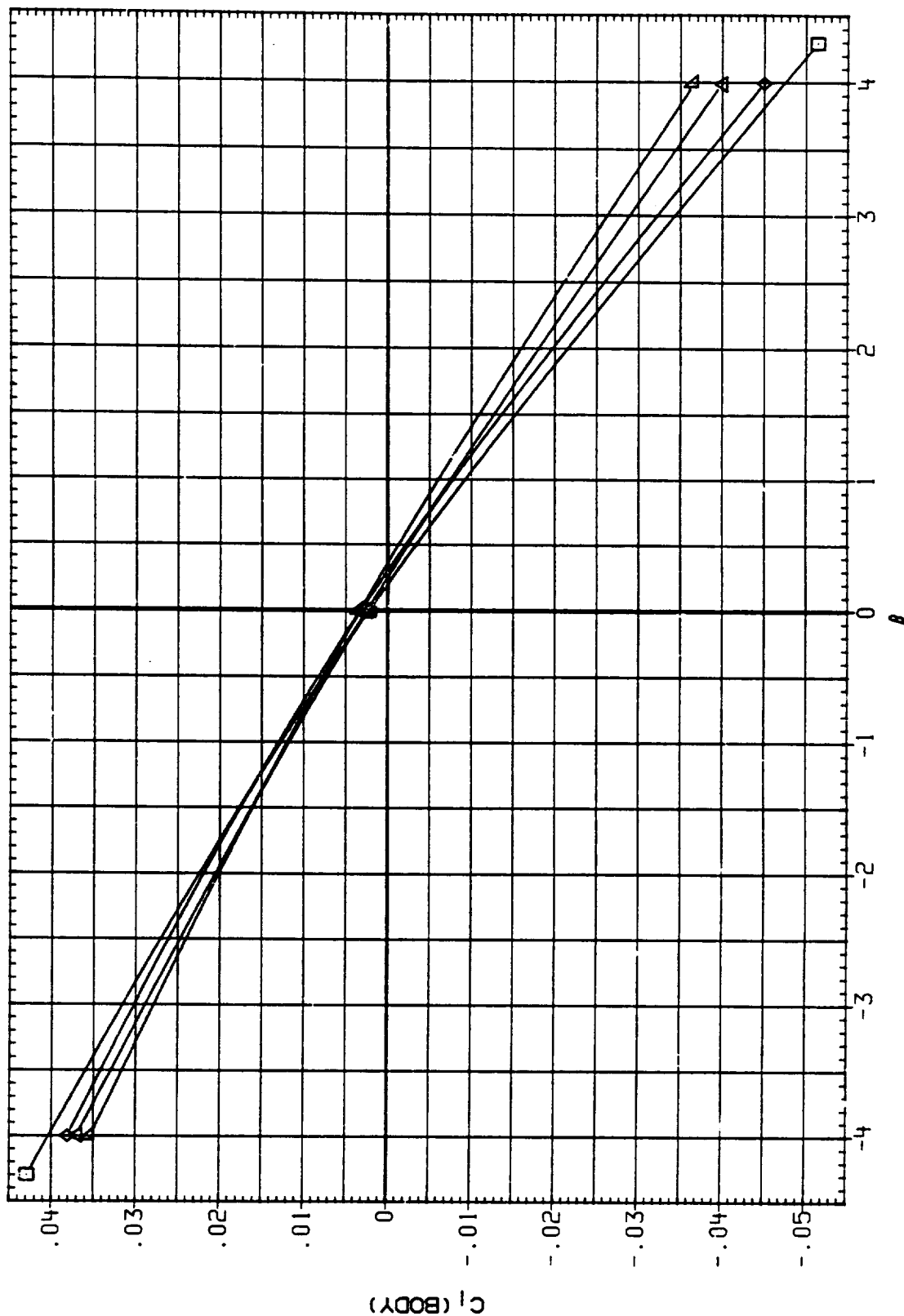


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

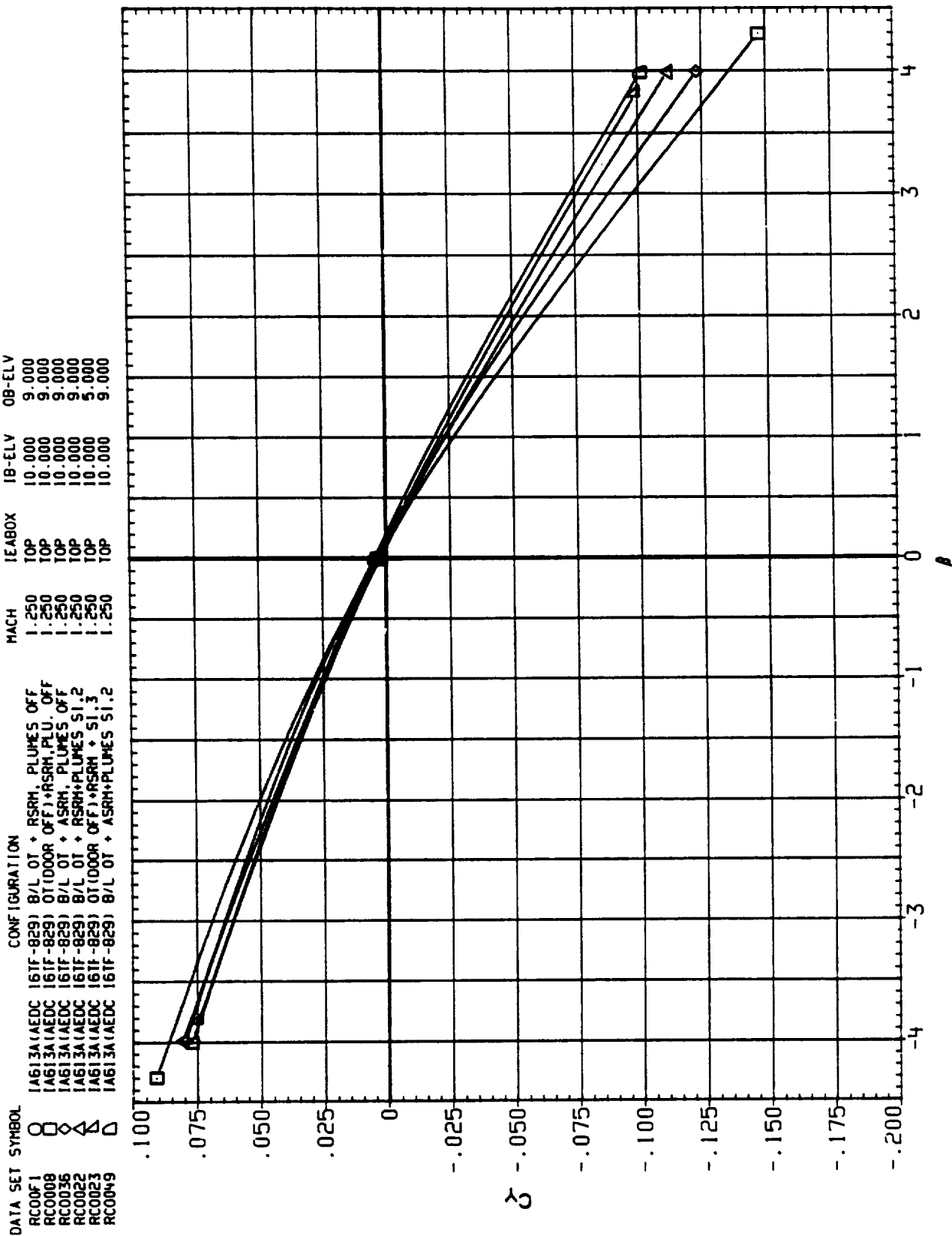


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F1	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES S1.2	1.250	TOP	10.000	5.000
RC0023	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM + S1.3	1.250	TOP	10.000	9.000
RC0049	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.2	1.250	TOP	10.000	9.000

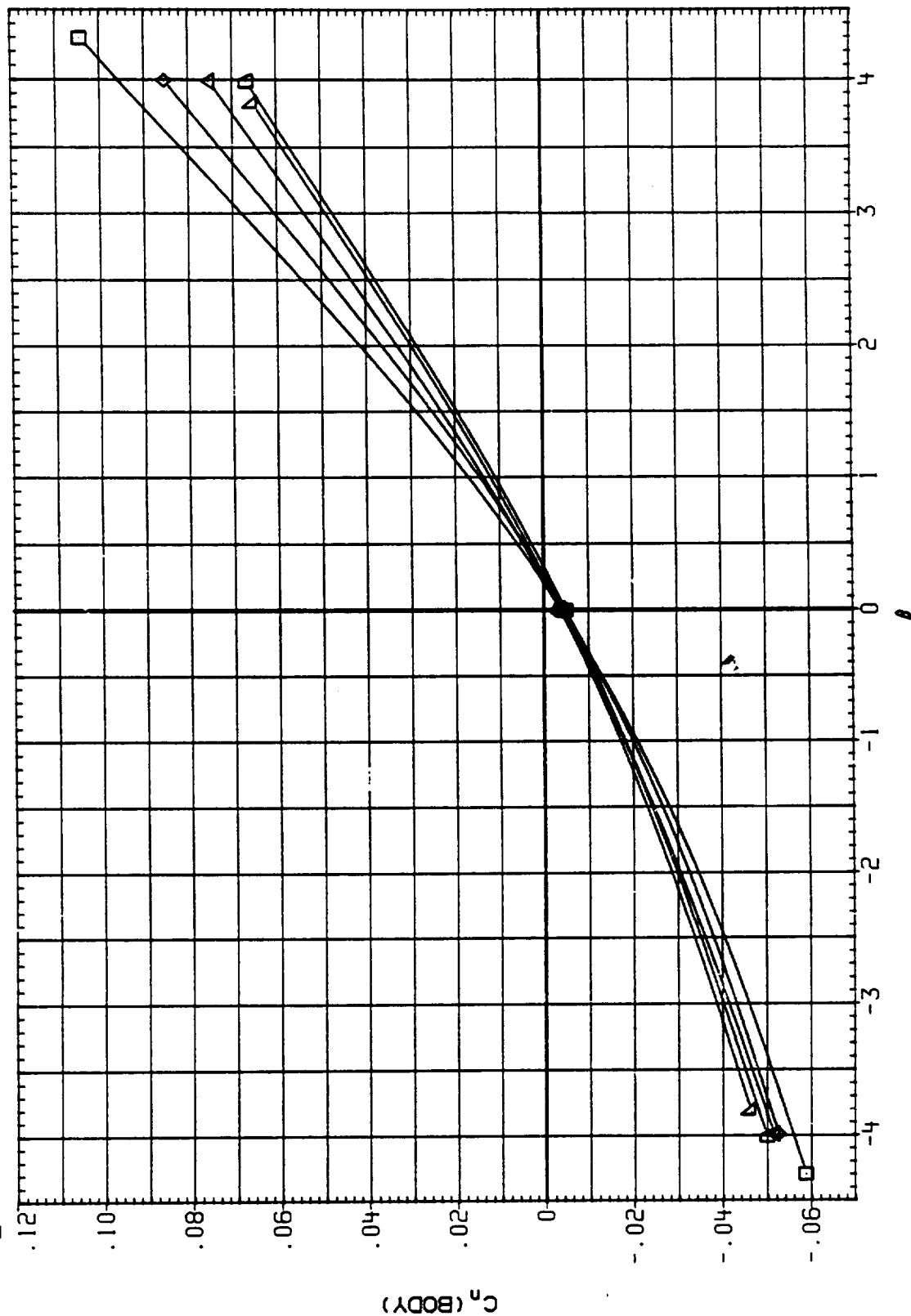


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0001	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	IA613A(AEDC 161F-829) OT(100R OFF)+RSRH, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1,2	1.250	TOP	10.000	9.000
RC0023	IA613A(AEDC 161F-829) OT(100R OFF)+RSRH + S1,3	1.250	TOP	10.000	5.000
RC0049	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1,2	1.250	TOP	10.000	9.000

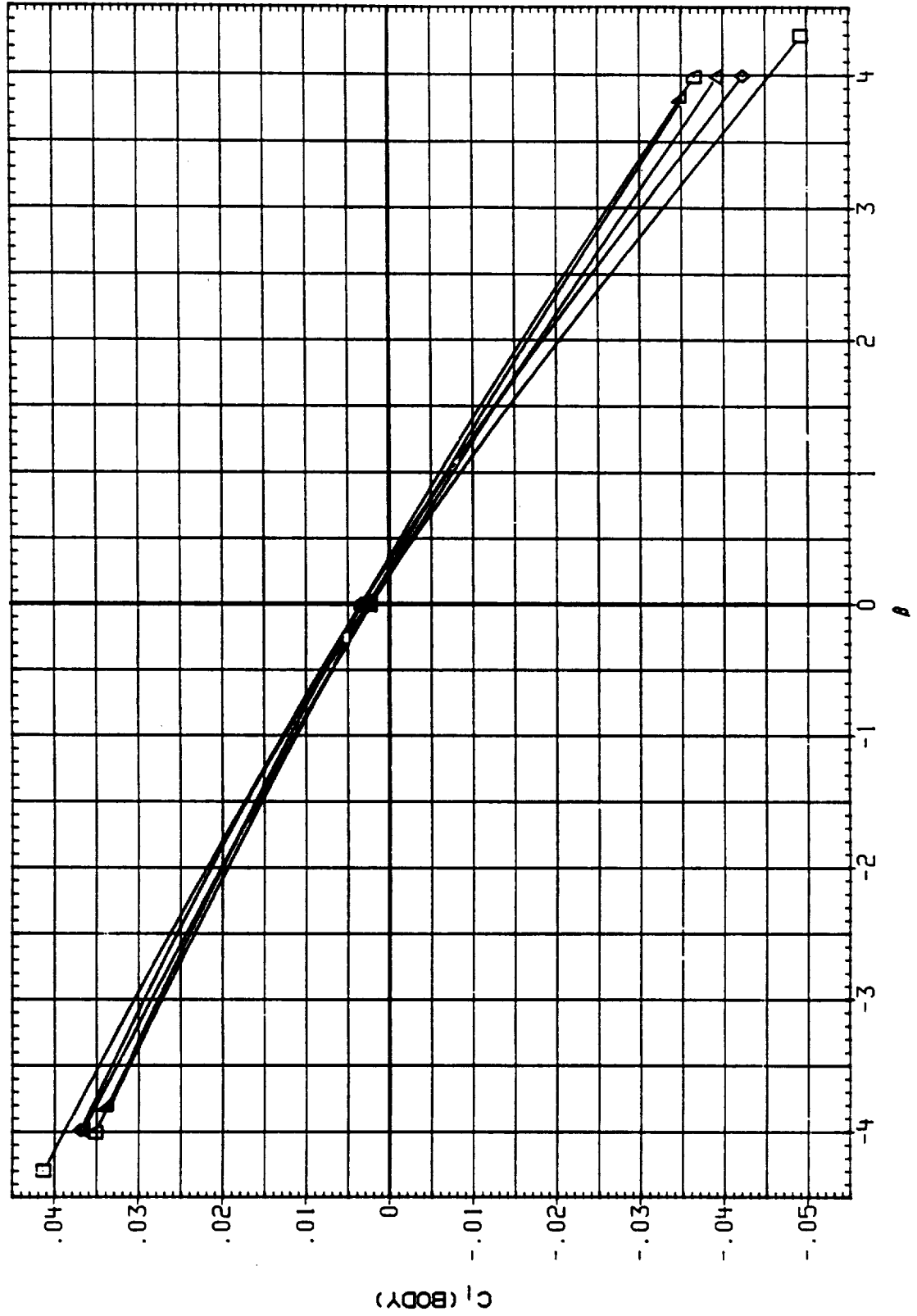


FIG. 3 EFFECT OF ASRM AND PLUMES ON LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0010	□	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM+PLU. OFF	1.300	TOP	10.000	5.000
RC0038	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	◇	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES SL. C	1.300	TOP	10.000	5.000
RC0024	△	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM + SL. C	1.300	TOP	10.000	5.000
RC0054	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SL. C	1.300	TOP	10.000	5.000

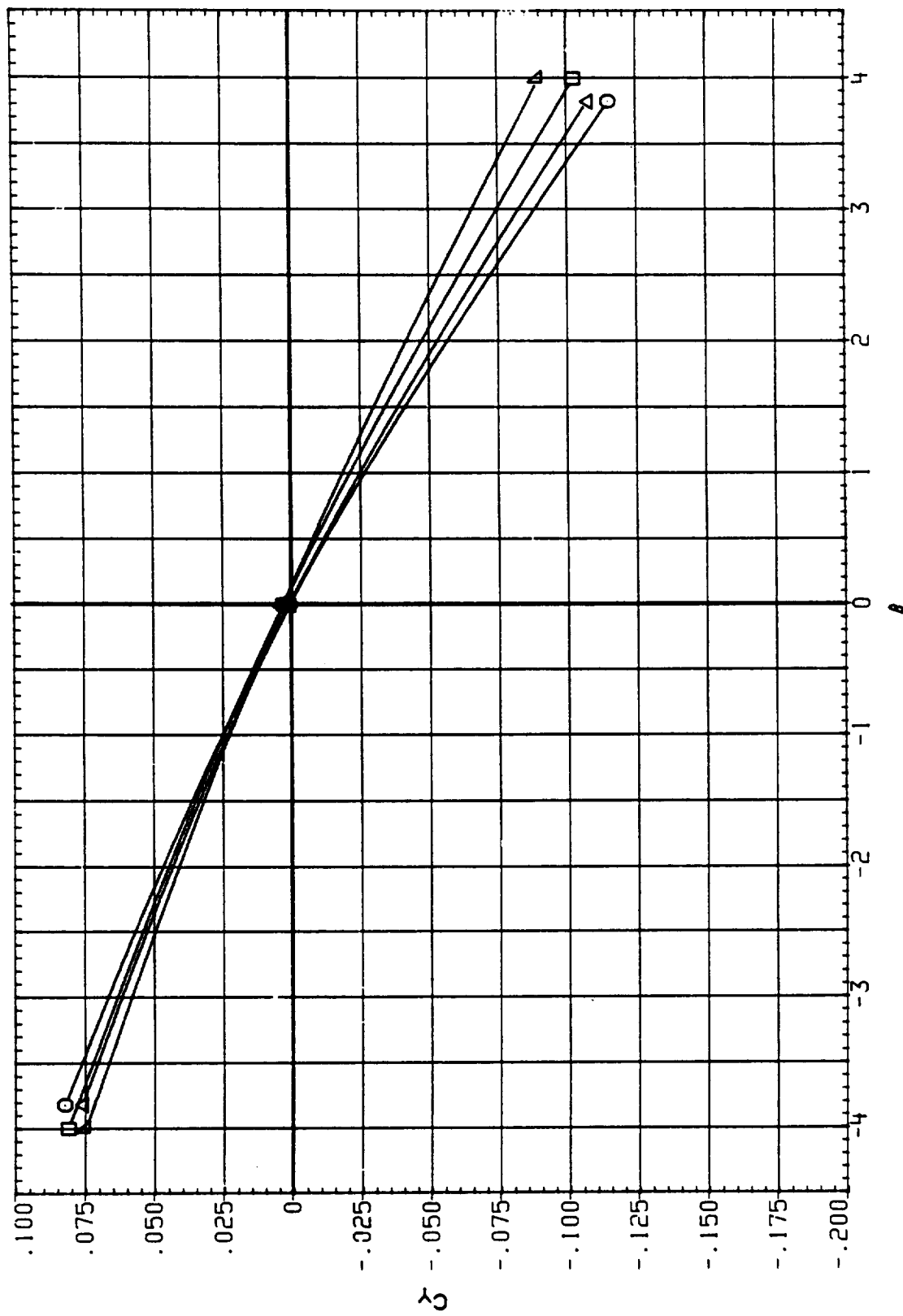


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0010	○	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM+PLU. OFF	1.300	TOP	10.000	5.000
RC0038	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	◇	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.300	TOP	10.000	9.000
RC0024	△	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM + S1.3	1.300	TOP	10.000	5.000
PC0054	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000

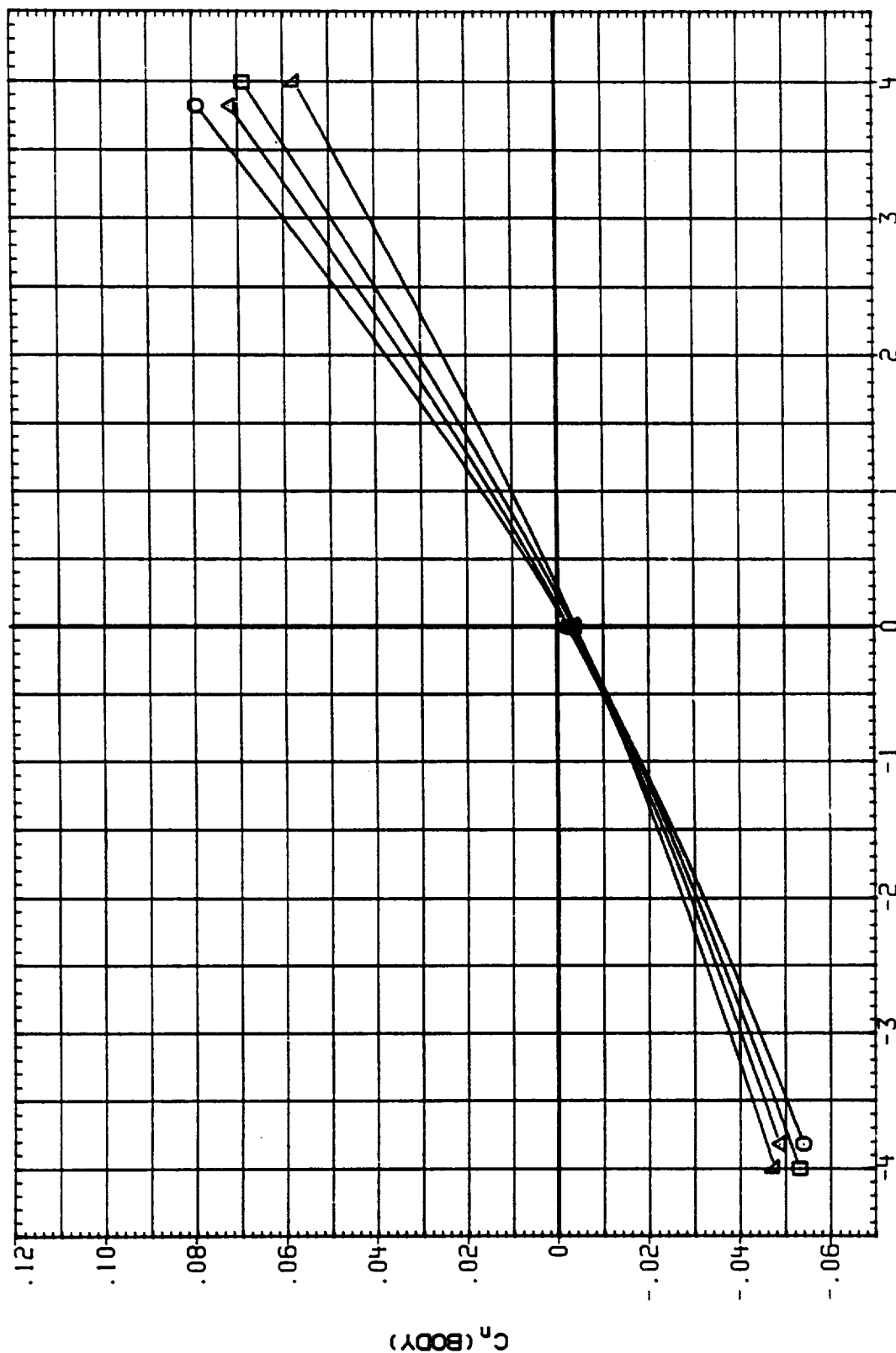


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

ALPHA = .00

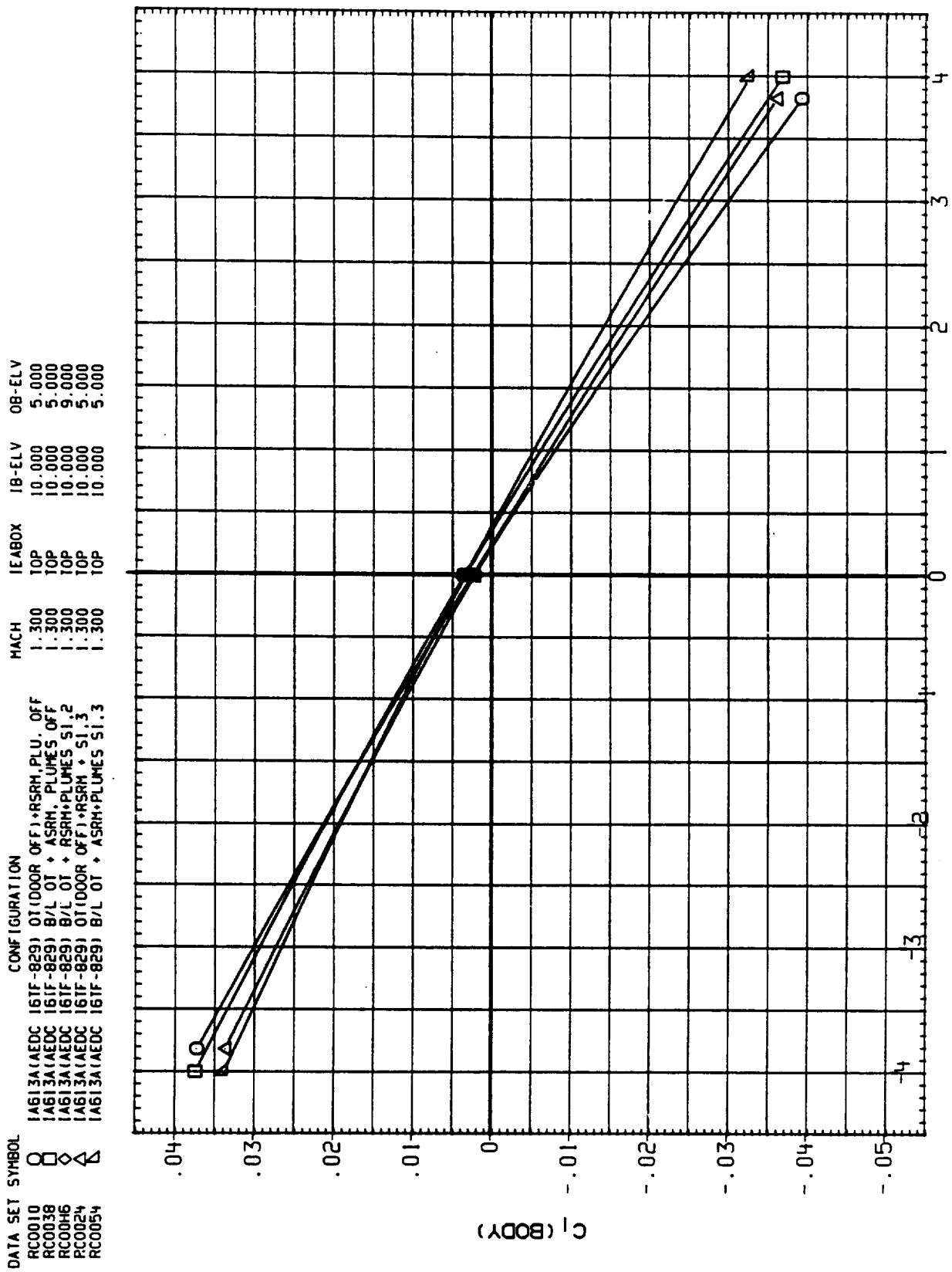


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	SCALE	TYPE	TIME
RC00F2	□	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	9.000
RC0011	□	IAG13A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.350	TOP	5.000
RC0039	□	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	5.000
RC00H7	△	IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES SI,2	1.350	TOP	9.000
RC0025	□	IAG13A1AEDC 16TF-829) OT(000R OFF)+RSRM + SI,3	1.350	TOP	5.000
RC0055	□	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI,3	1.350	TOP	5.000

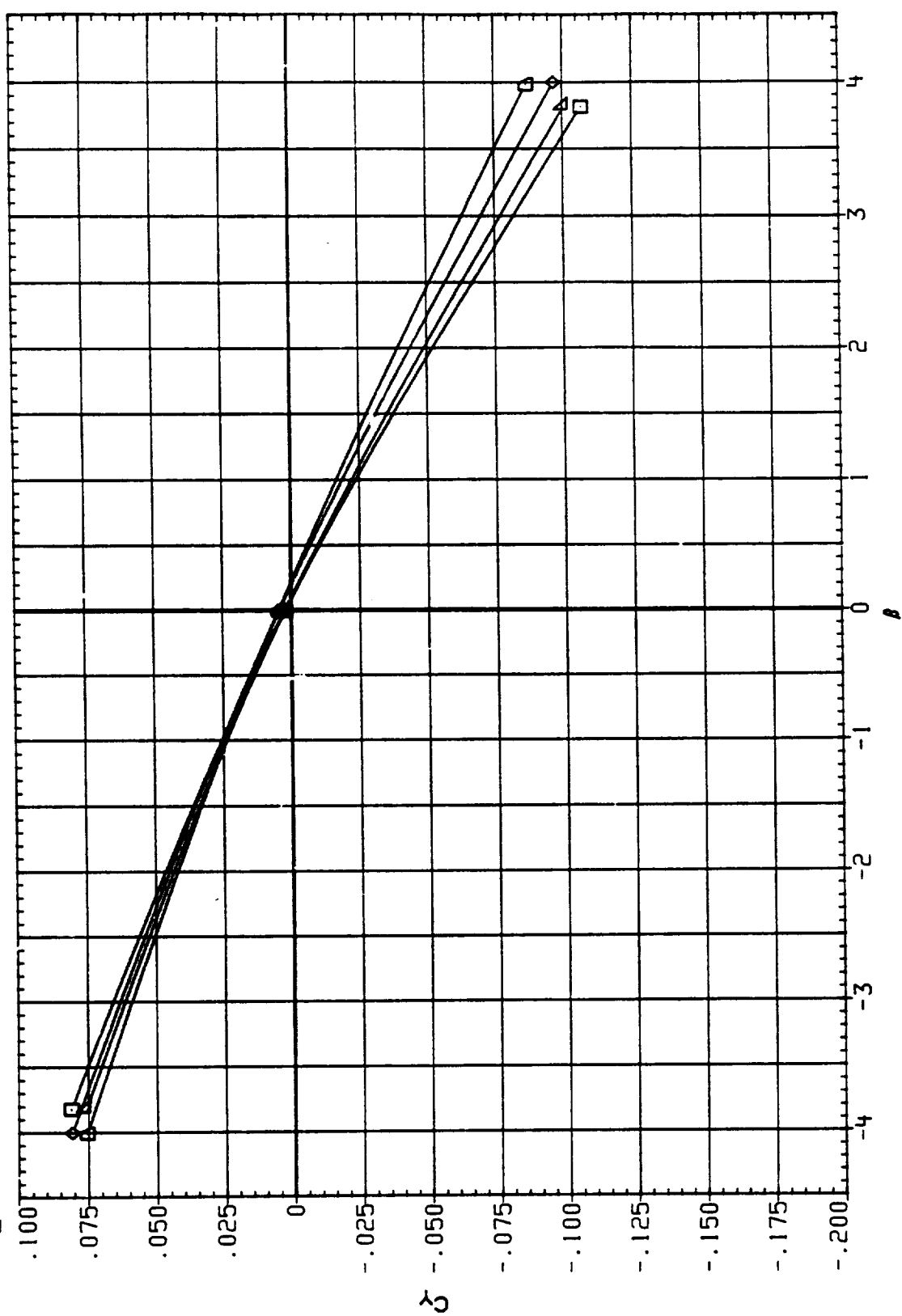


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

CONFIGURATION

RC00F2	□	IA613A1AEDC	161F-829)	B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	3.000
RC0011	□	IA613A1AEDC	161F-829)	OT1000R OFF) + RSRM, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	◇	IA613A1AEDC	161F-829)	B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	△	IA613A1AEDC	161F-829)	B/L CT + RSRM + PLUMES S1.2	1.350	TOP	10.000	9.000
RC0025	△	IA613A1AEDC	161F-829)	OT1000R OFF) + RSRM + S1.3	1.350	TOP	10.000	5.000
RC0055	△	IA613A1AEDC	161F-829)	B/L OT + ASRM + PLUMES S1.3	1.350	TOP	10.000	5.000

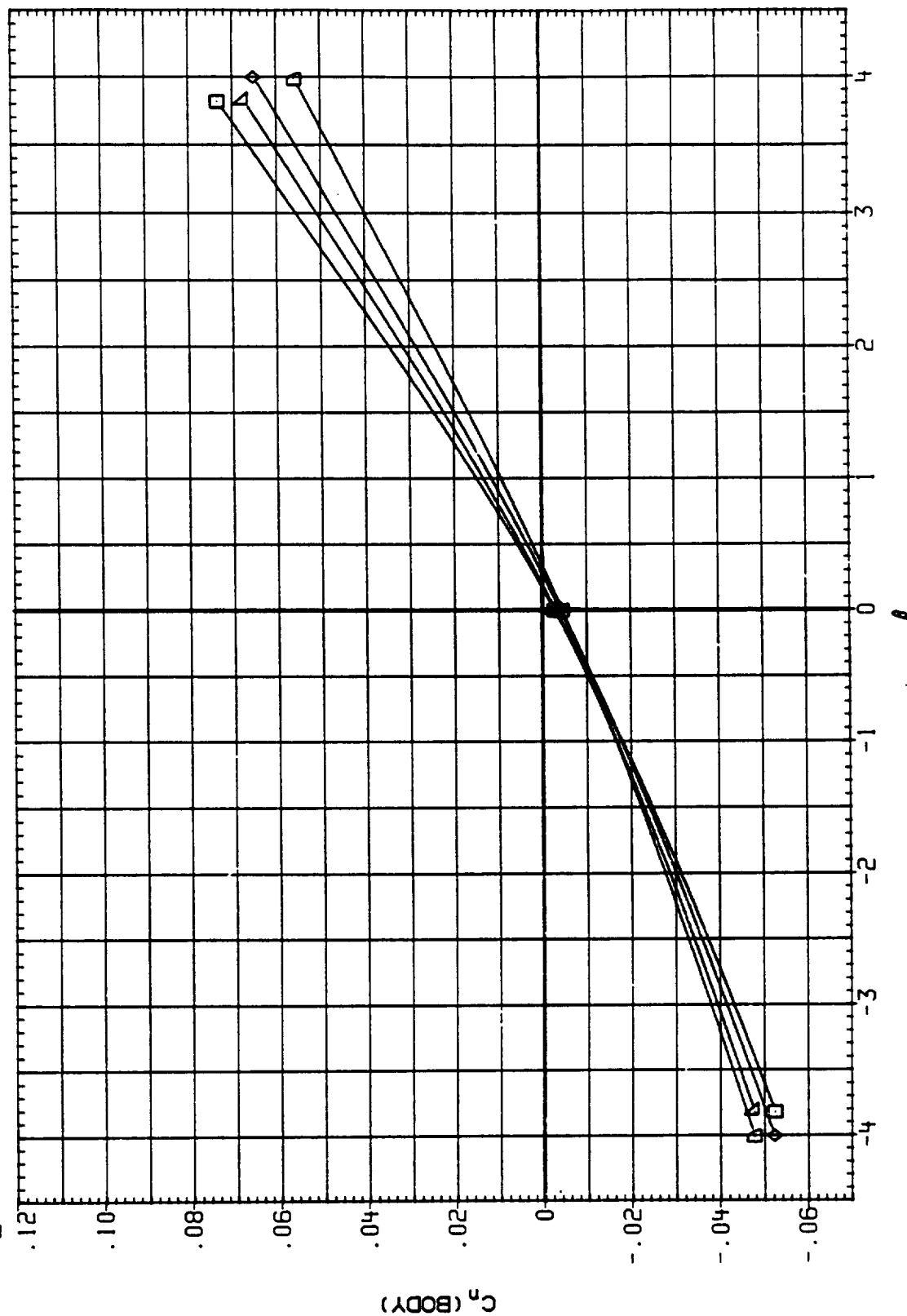


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

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DATA SET SYMBOL	CONFIGURATION	MAH	CLASDA	ISLEV	ISLEV
RC00F2	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC0047	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES SI,2	1.350	TOP	10.000	5.000
RC0025	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH + SI,3	1.350	TOP	10.000	5.000
RC0055	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES SI,3	1.350	TOP	10.000	5.000

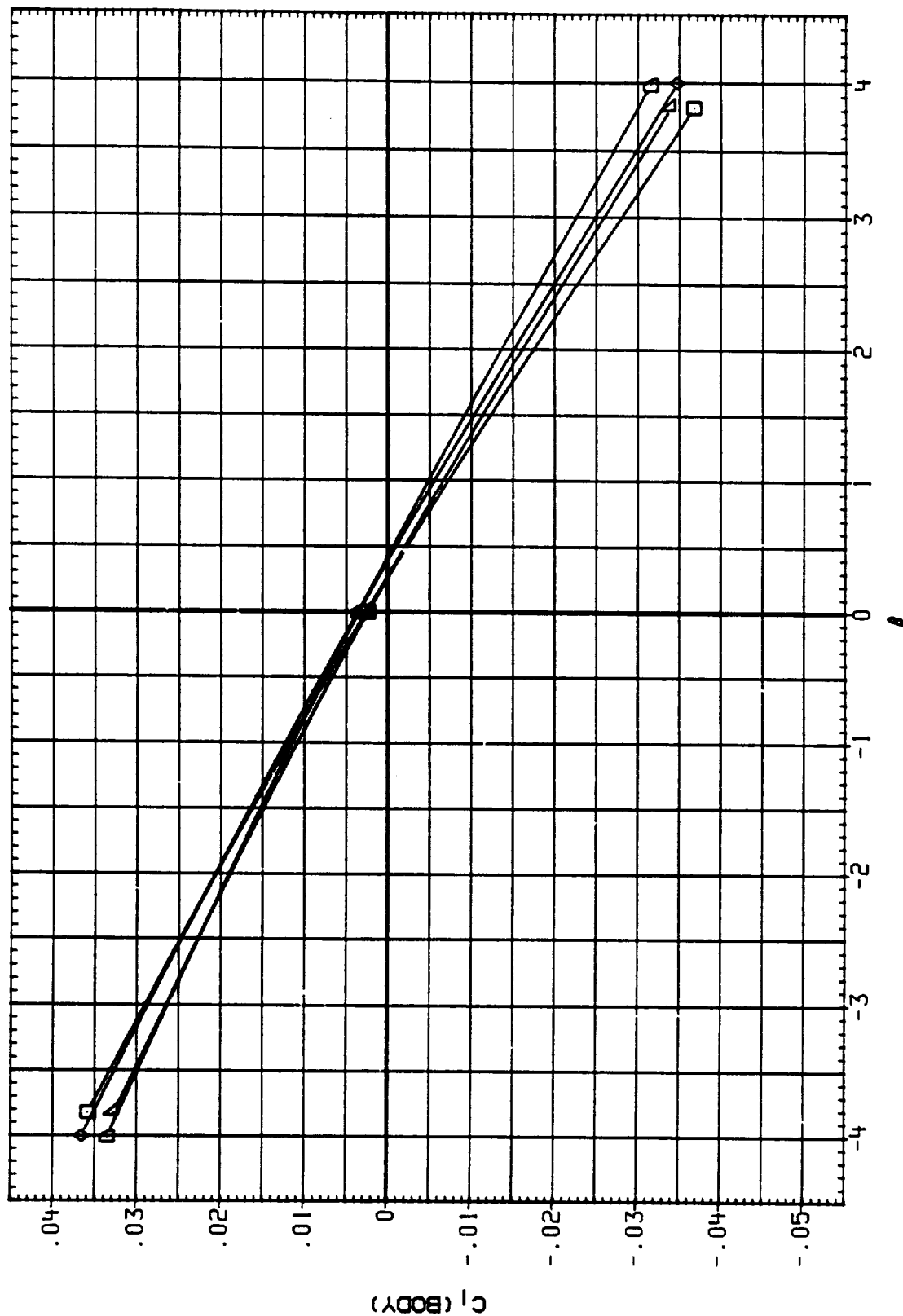


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	PLUMES	PLUMES	PLUMES
RC0003	□	1A613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000
RC0012	□	1A613A(AEDC 16TF-829) OT(1000R OFF) + RSRM, PLU. OFF	1.400	TOP	10.000
RC0040	△	1A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000
RC0048	△	1A613A(AEDC 16TF-829) B/L OT + RSRM + PLUMES S1.2	1.400	TOP	10.000
XC0026	△	1A613A(AEDC 16TF-829) OT(1000R OFF) + RSRM + S1.3	1.400	TOP	10.000
RC0056	□	1A613A(AEDC 16TF-829) B/L OT + ASRM + PLUMES S1.3	1.400	TOP	10.000

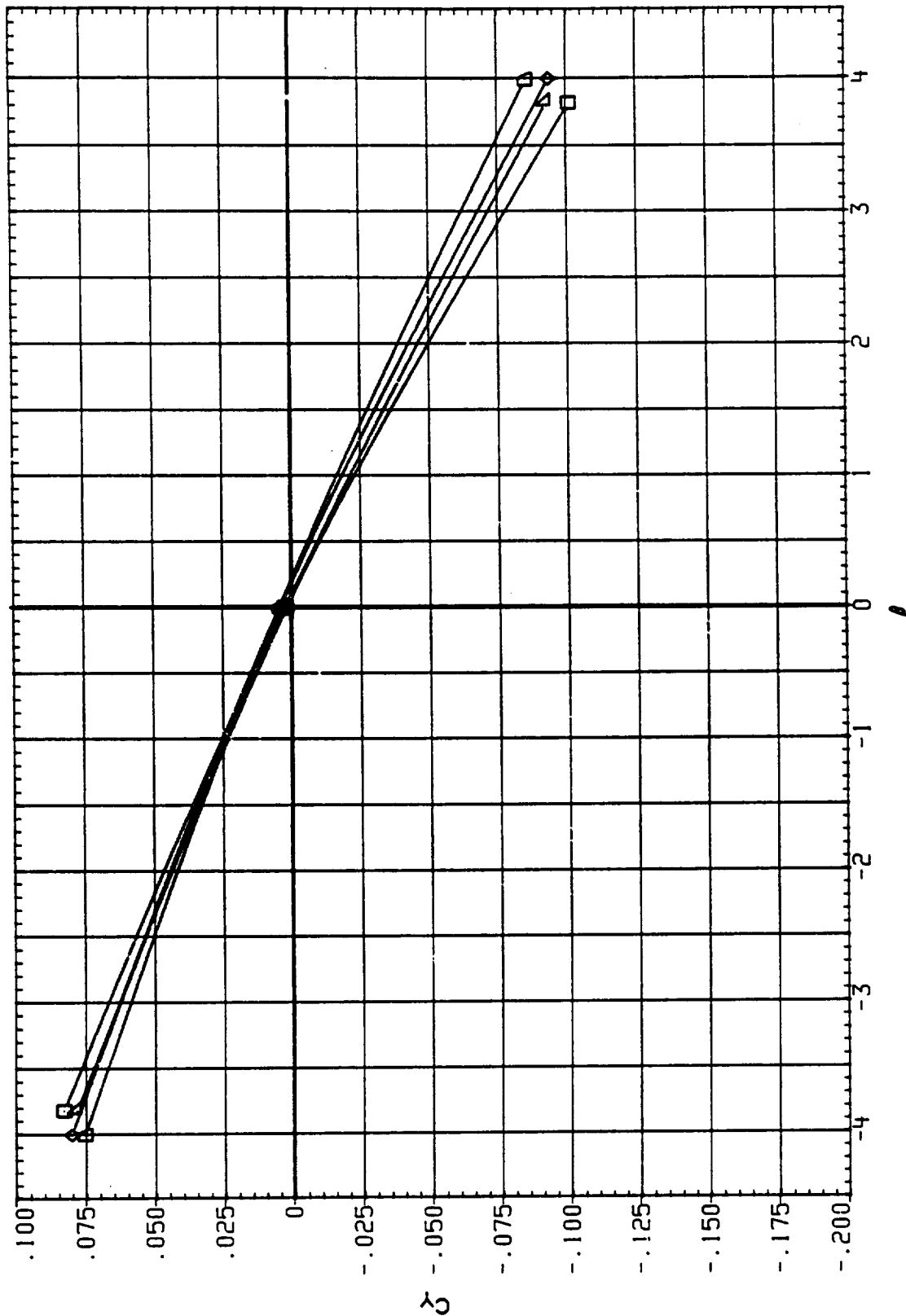


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

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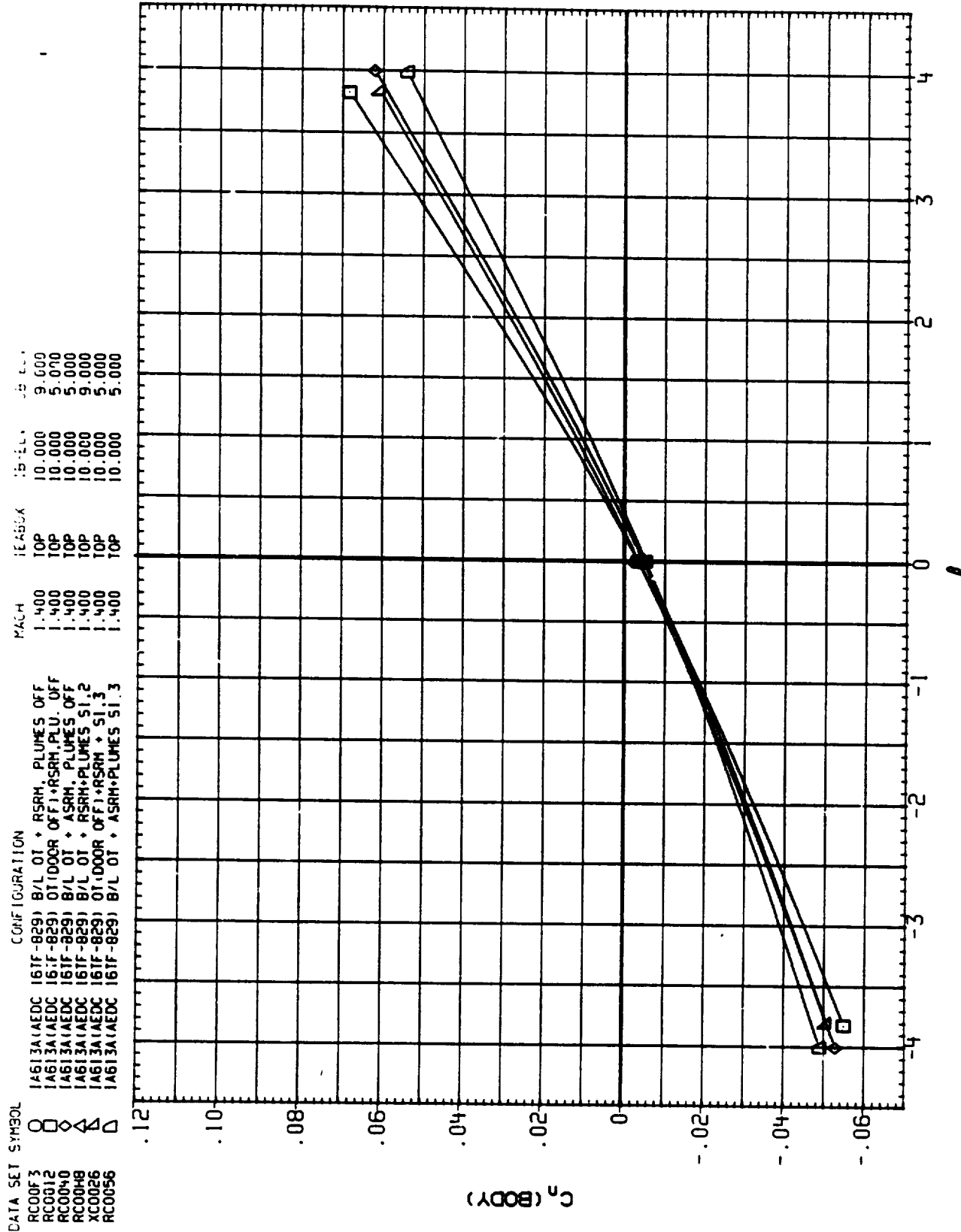


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

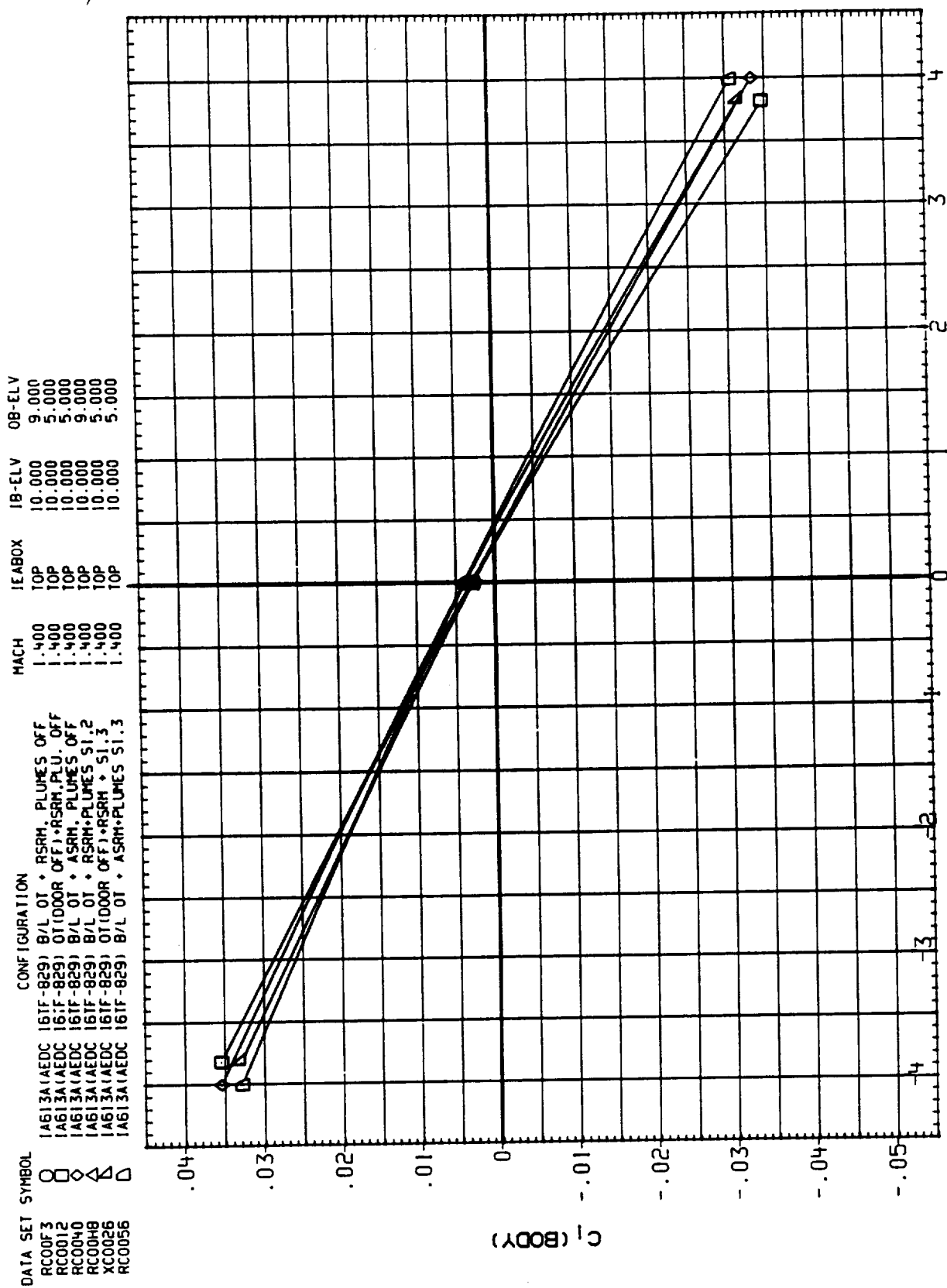


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

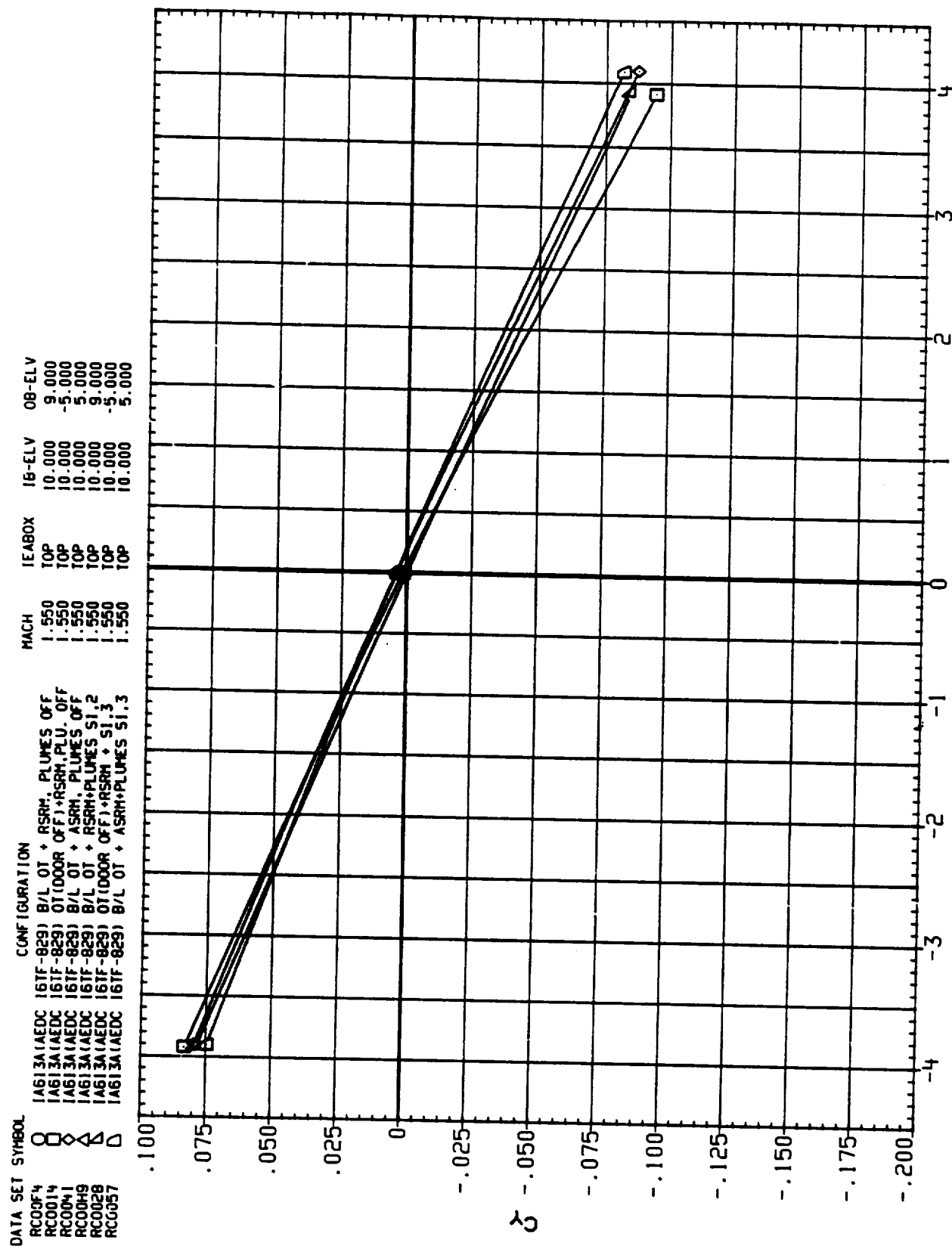


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTION CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	WAVE	DEPTH	HEIGHT
RC0004	IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	9.000
RC0014	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM, PLU. OFF	1.550	TOP	9.000
RC0041	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	5.000
RC00H9	IA613A1AEDC 16TF-829) B/L OT + RSRM + PLUMES SI.2	1.550	TOP	9.000
RC0028	IA613A1AEDC 16TF-829) OT1000R OFF) + RSRM + SI.3	1.550	TOP	9.000
RC0057	IA613A1AEDC 16TF-829) B/L OT + ASRM + PLUMES SI.3	1.550	TOP	5.000

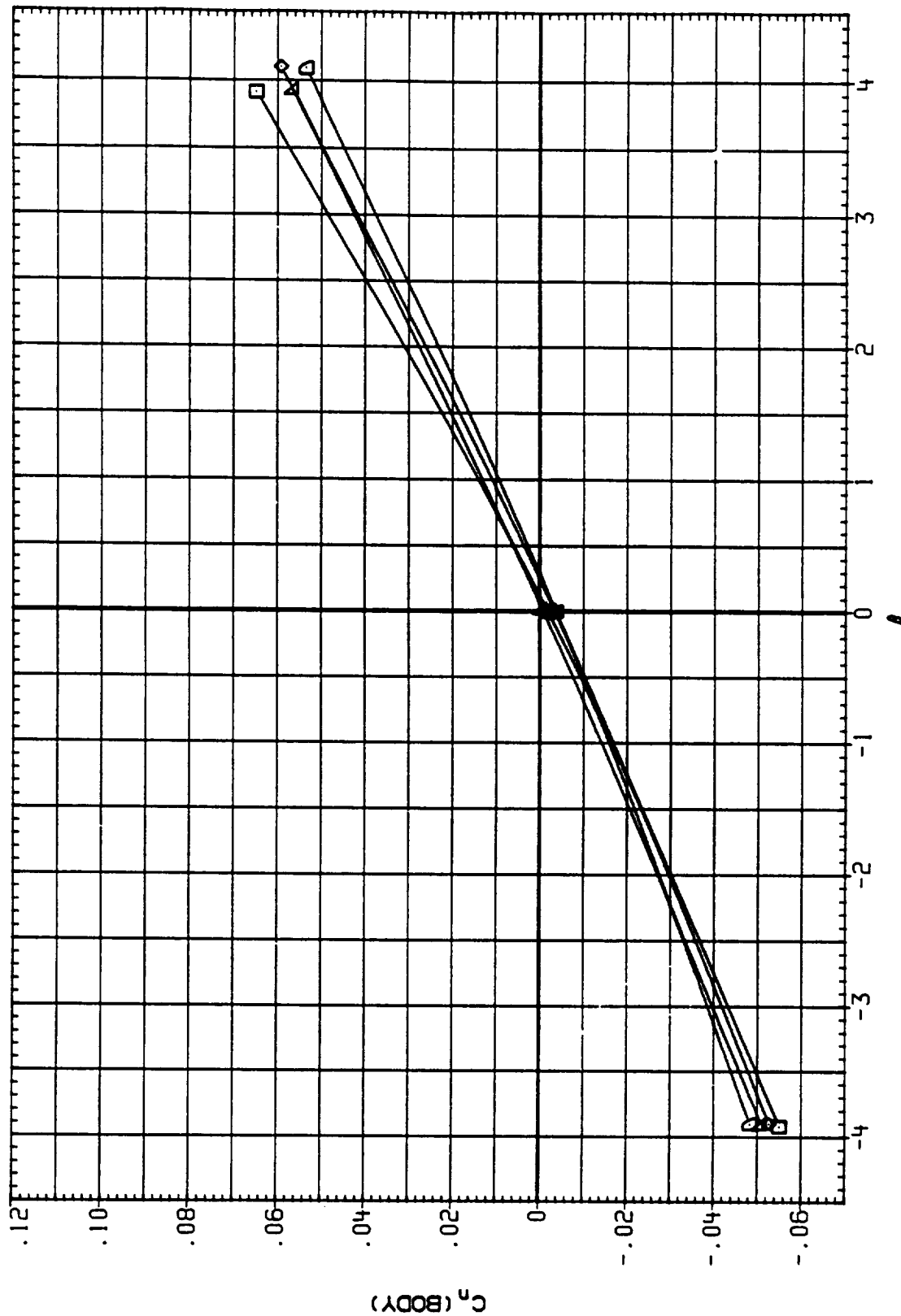


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

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DATA SET	SYMBOL	CONFIGURATION	ASRM	PLUMES	OT	ASRM	PLUMES	OT
RC00F4	○	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.550	TOP	10.000	9.000		
RC0014	◇	IA613A(AEDC 161F-829) OT(100R OFF) + RSRH, PLU. OFF	1.550	TOP	10.000	-5.000		
RC0041	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000		
RC0049	△	IA613A(AEDC 161F-829) B/L OT + RSRH + PLUMES S1,2	1.550	TOP	10.000	9.000		
RC0028	◇	IA613A(AEDC 161F-829) OT(100R OFF) + RSRH + S1,3	1.550	TOP	10.000	-5.000		
RC0057	◇	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1,3	1.550	TOP	10.000	5.000		

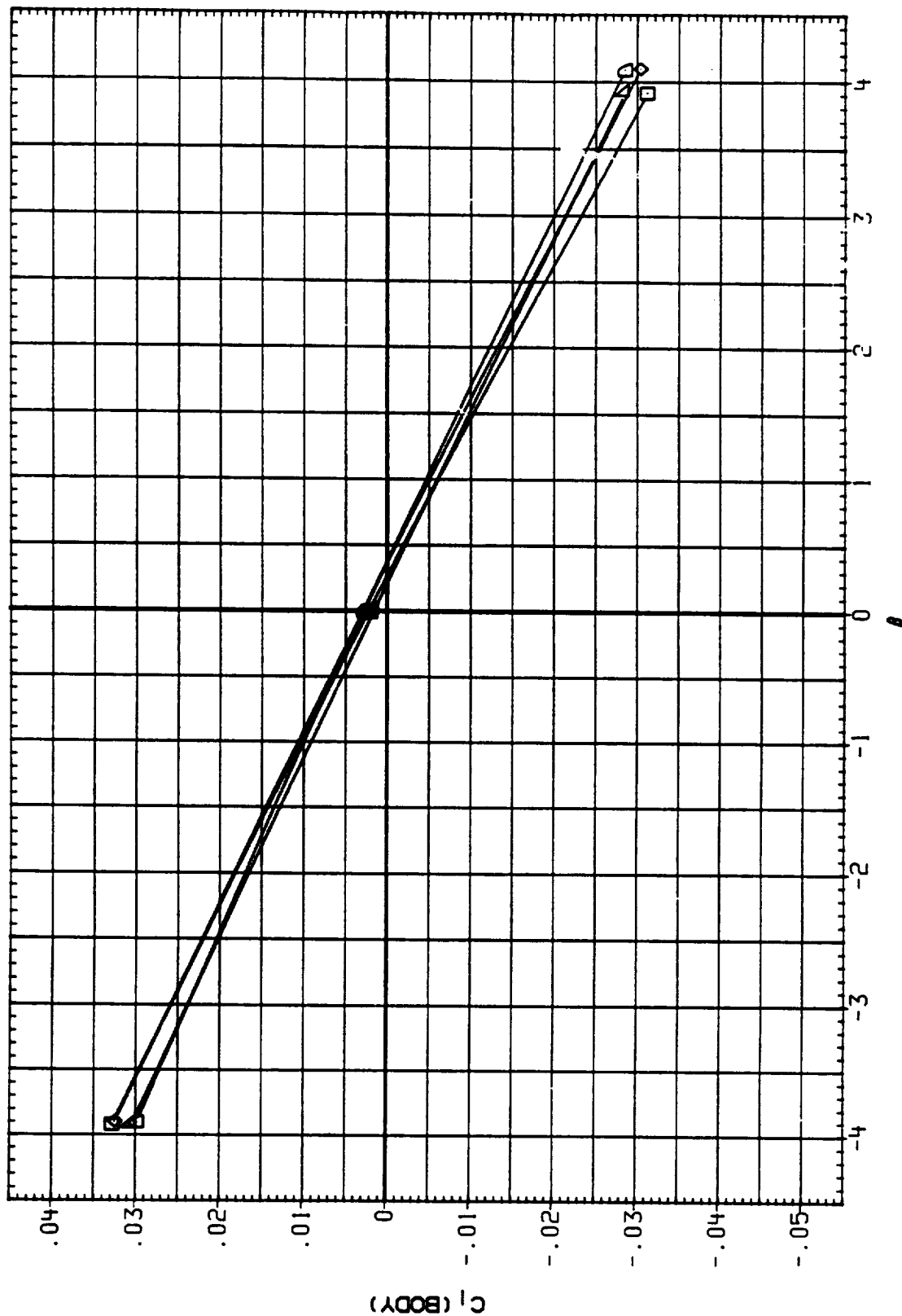


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

DATA SET SYMBOL	CONFIGURATION	TEST
MCORR1	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	TOP
MCORR2	IA613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU, OFF	TOP
MCORR3	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	TOP
MCORR4	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1.2	TOP
MCORR5	IA613A1AEDC 161F-829) OT1000R OFF + RSRM + S1.3	TOP
MCORR6	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	TOP

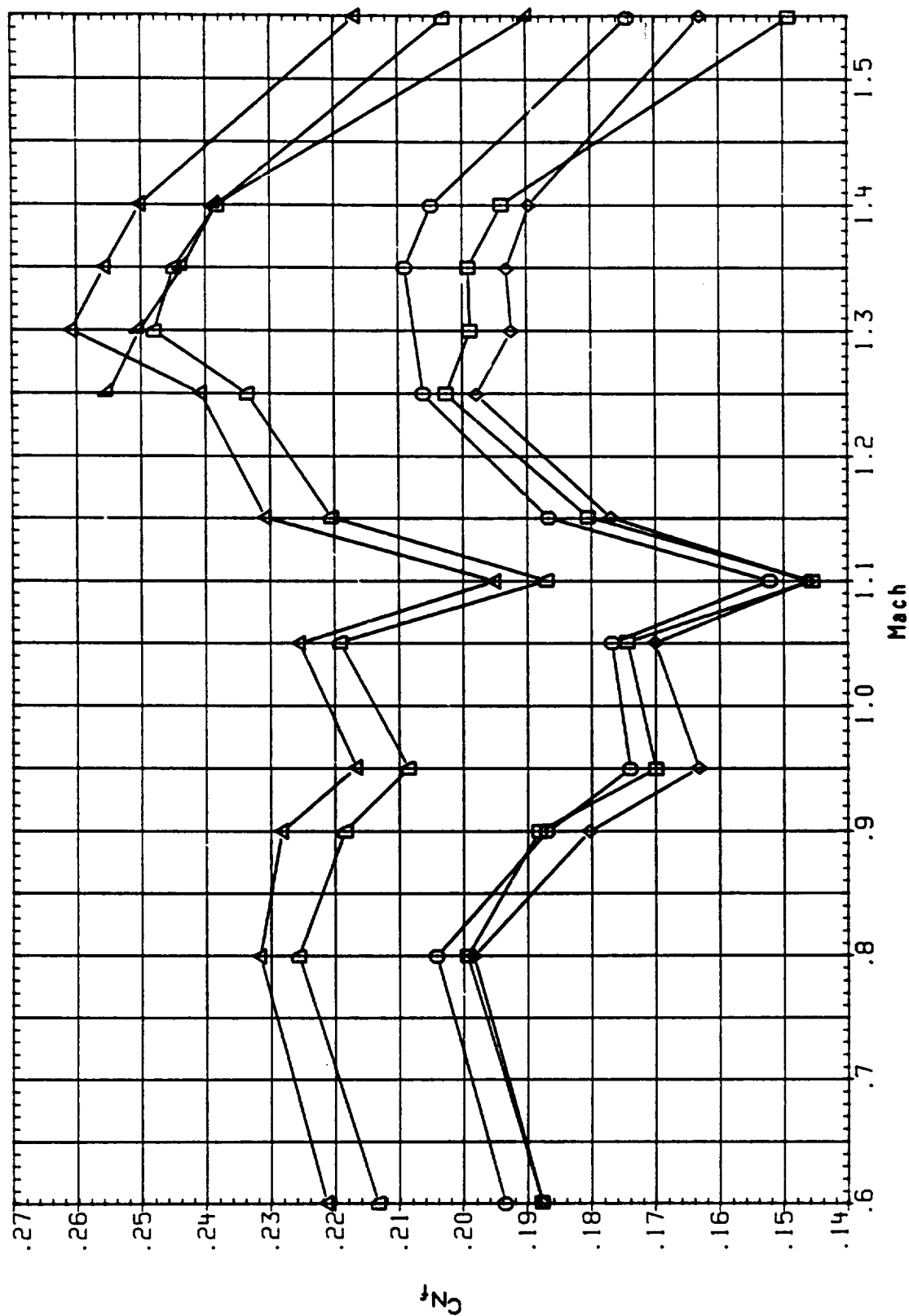


FIG. 4 EFFECT OF ASRM AND PLUMES
MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

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1E45.4

CONFIGURATION

DATA SET SYMBOL

MCONR1	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	TOP
MCONR2	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH,PLU. OFF	TOP
MCONR3	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	TOP
MCONR4	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	TOP
MCONR5	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH + S1.3	TOP
MCONR6	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	TOP

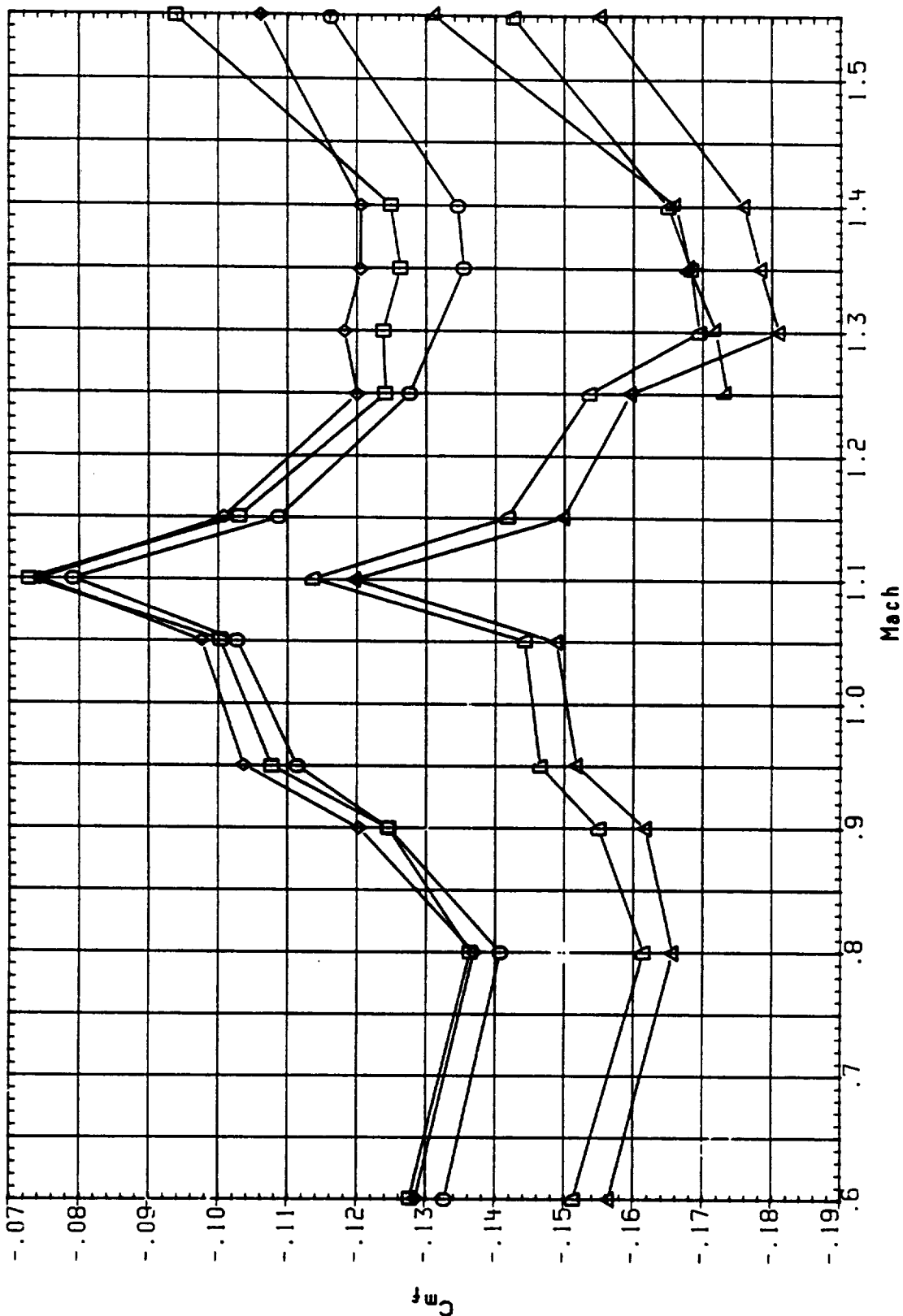


FIG. 4 EFFECT OF ASRM AND PLUMES
MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

1EAB3A

CONF:GURATION

DATA SET SYMBOL

MCORR1	IA613A1AEDC	16TF-829)	B/L OT + RSRM, PLUMES OFF	TOP
MCORR2	IA613A1AEDC	16TF-829)	OT(DOOR OFF)+RSRM, PLU. OFF	TOP
MCORR3	IA613A1AEDC	16TF-829)	B/L OT + ASRM, PLUMES OFF	TOP
MCORR4	IA613A1AEDC	16TF-829)	B/L OT + RSRM, PLUMES SI.2	TOP
MCORR5	IA613A1AEDC	16TF-829)	OT(DOOR OFF)+RSRM + SI.3	TOP
MCORR6	IA613A1AEDC	16TF-829)	B/L OT + ASRM, PLUMES SI.2	TOP

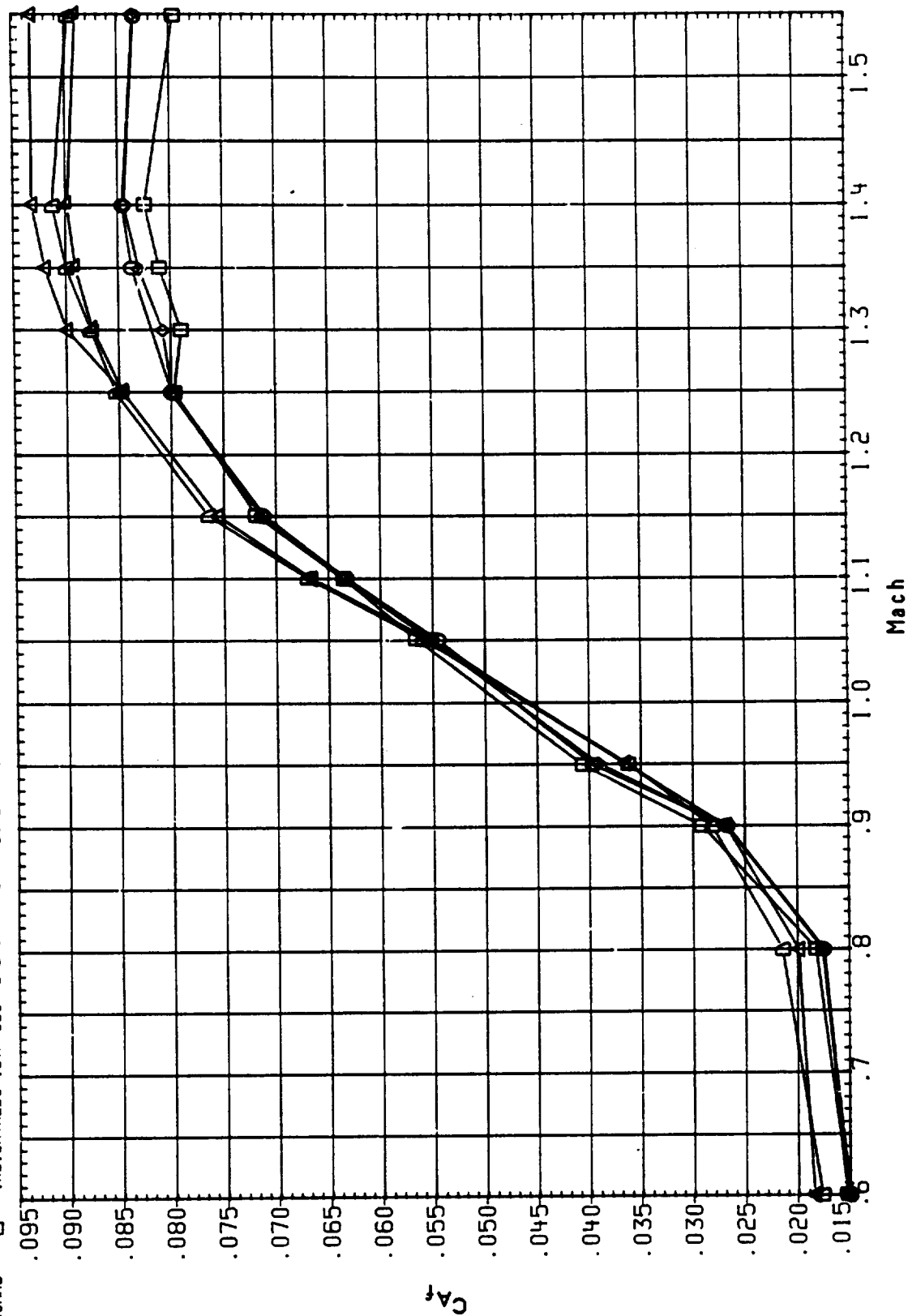


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

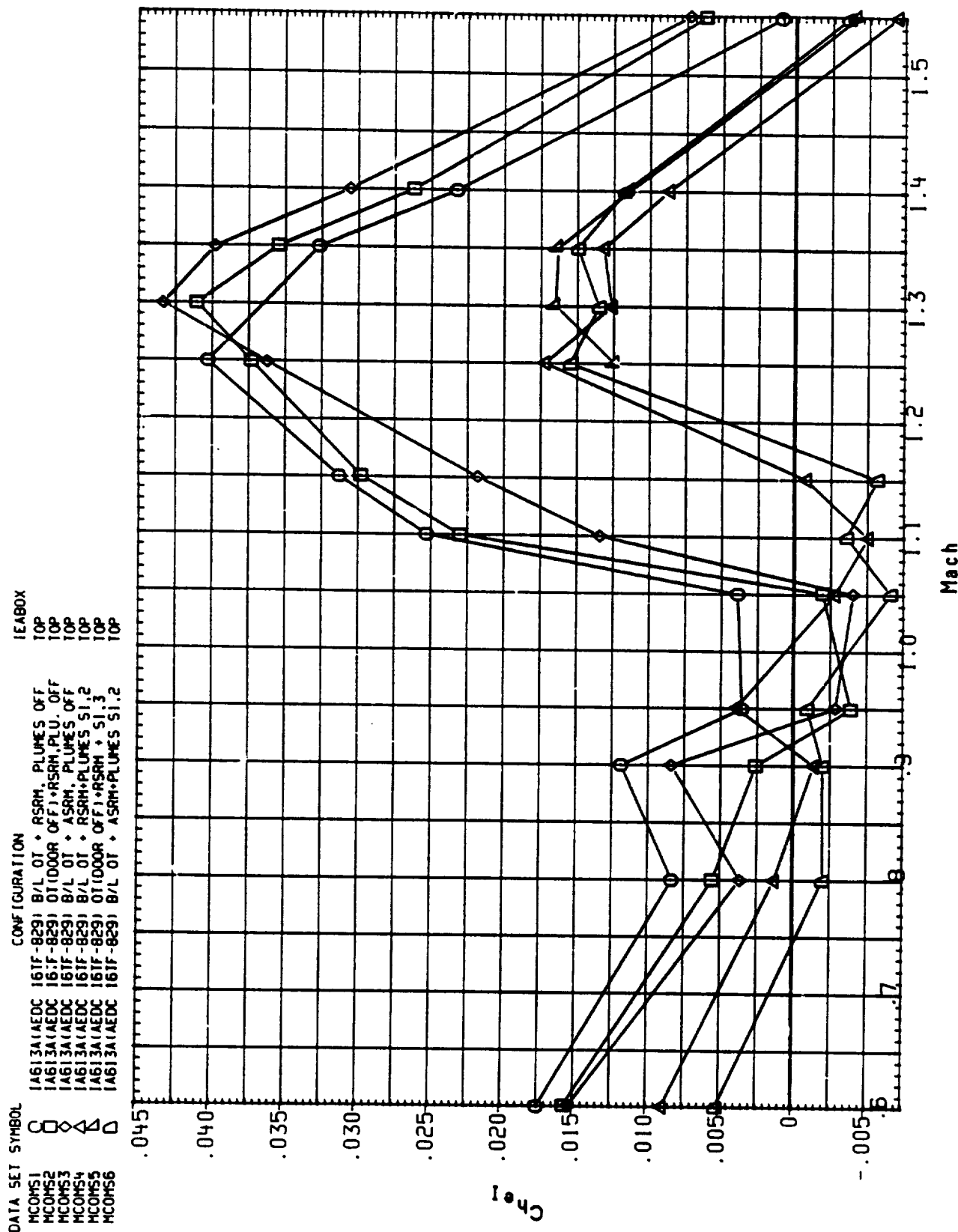


FIG. 4 EFFECT OF ASRM AND PLUMES
MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION
MCONS1	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF
MCONS2	IA613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF
MCONS3	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
MCONS4	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES SI.2
MCONS5	IA613A(AEDC 161F-829) OT1000R OFF + RSRM + SI.3
MCONS6	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2

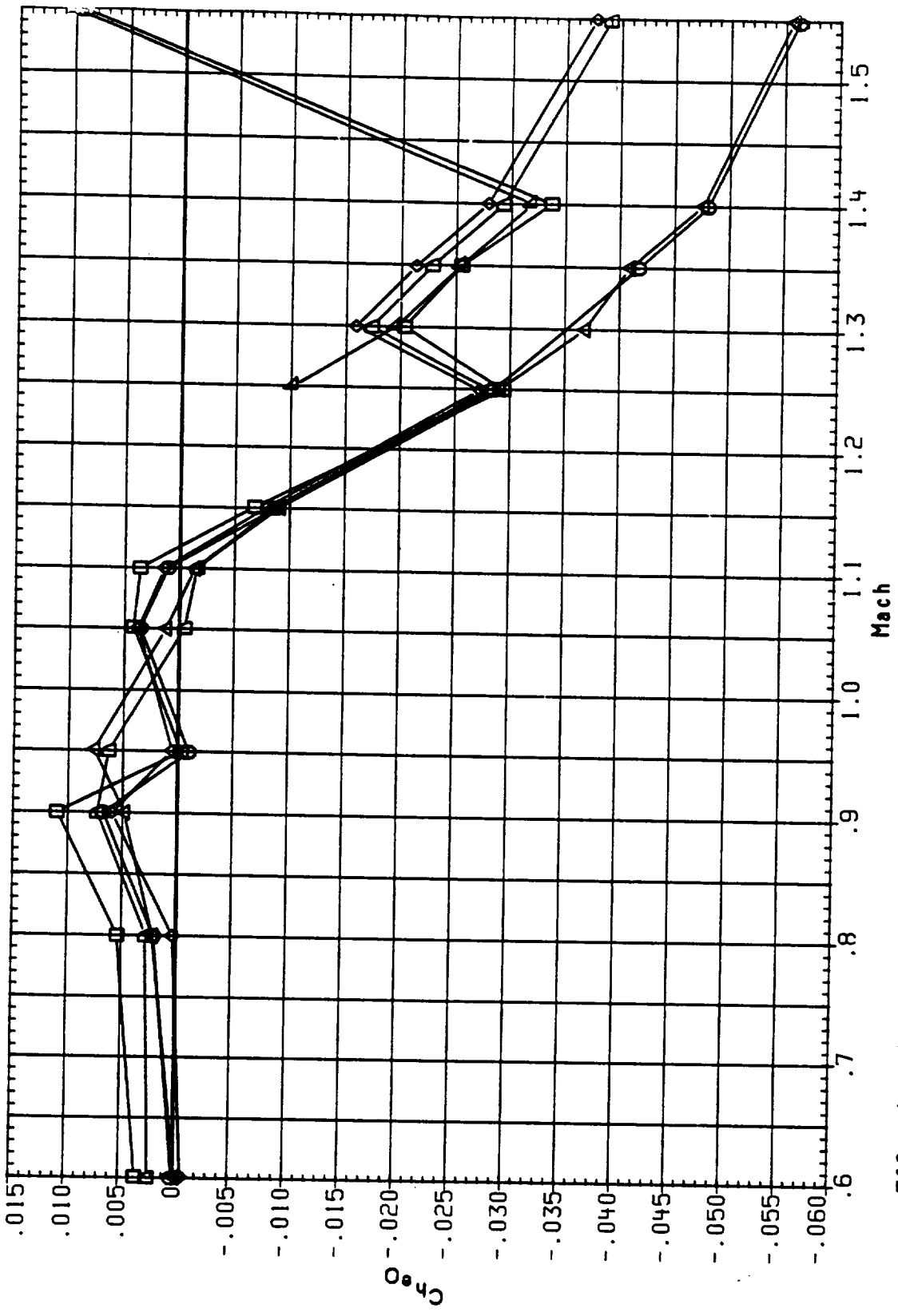


FIG. 4 EFFECT OF ASRM AND PLUMES
MACH VARIATIONS - ALPHA = 0 DEG.
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	LEA BOX
MCONS1	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	TOP
MCONS2	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	TOP
MCONS3	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	TOP
MCONS4	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	TOP
MCONS5	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM + S1.3	TOP
MCONS6	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	TOP

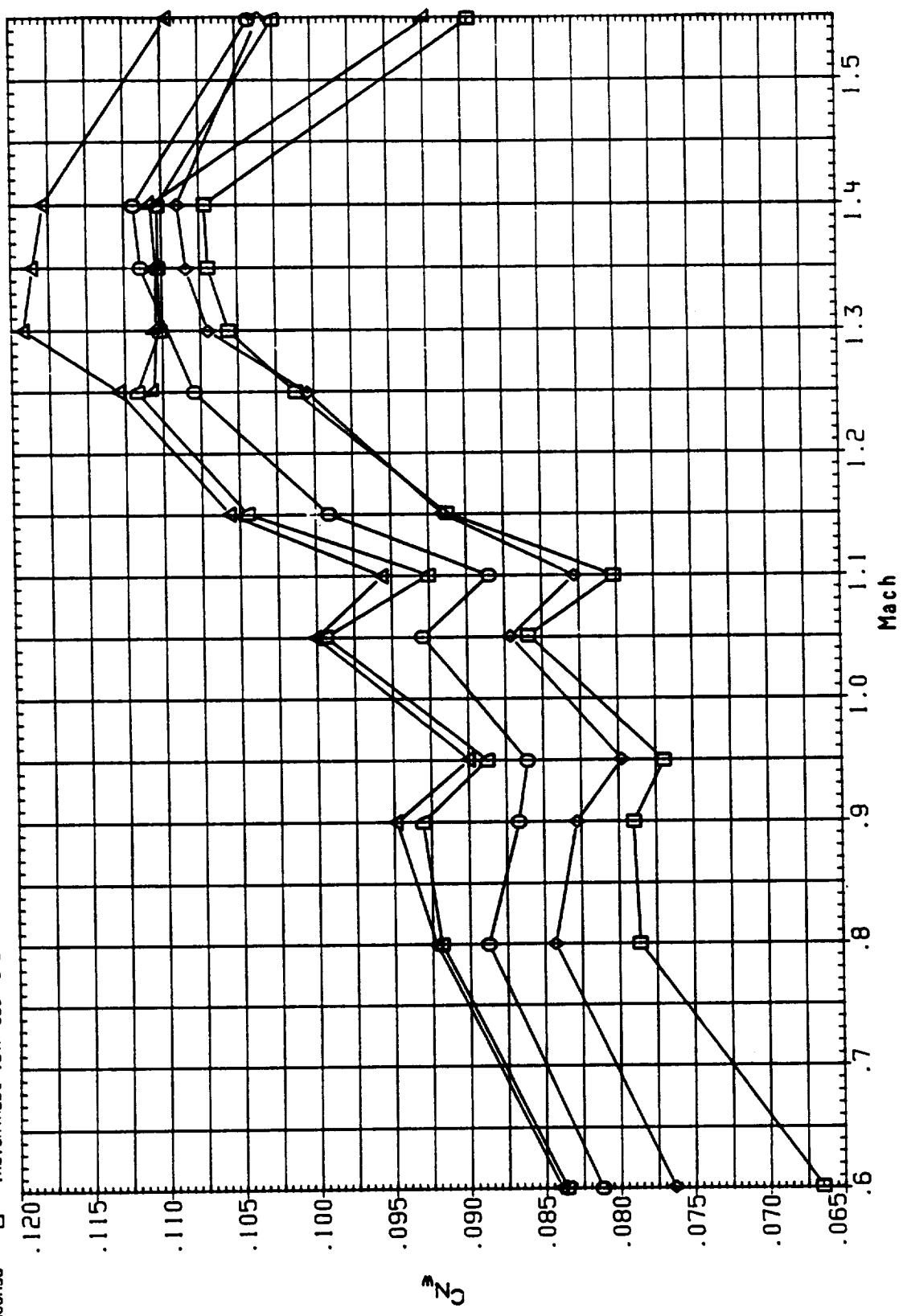


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

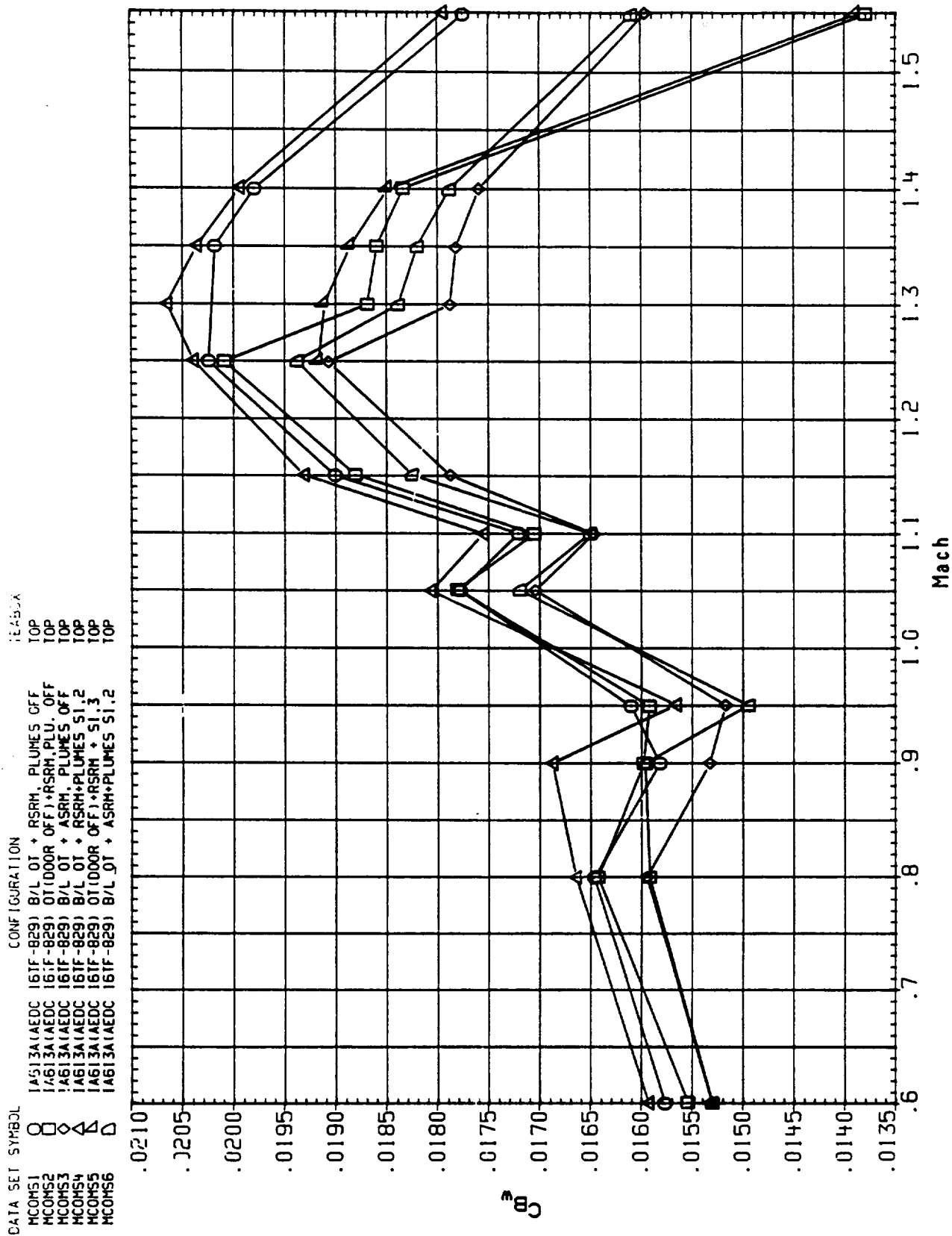


FIG. 4 EFFECT OF ASRM AND PLUMES
MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET 5/MB3L
 MCOMS1
 MCOMS2
 MCOMS3
 MCOMS4
 MCOMS5
 MCOMS6

CONFIGURATION
 1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF
 1A613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF
 1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 1A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2
 1A613A1AEDC 161F-829) OT1000R OFF + RSRM + S1.3
 1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

1E455X
 TOP
 TOP
 TOP
 TOP
 TOP
 TOP

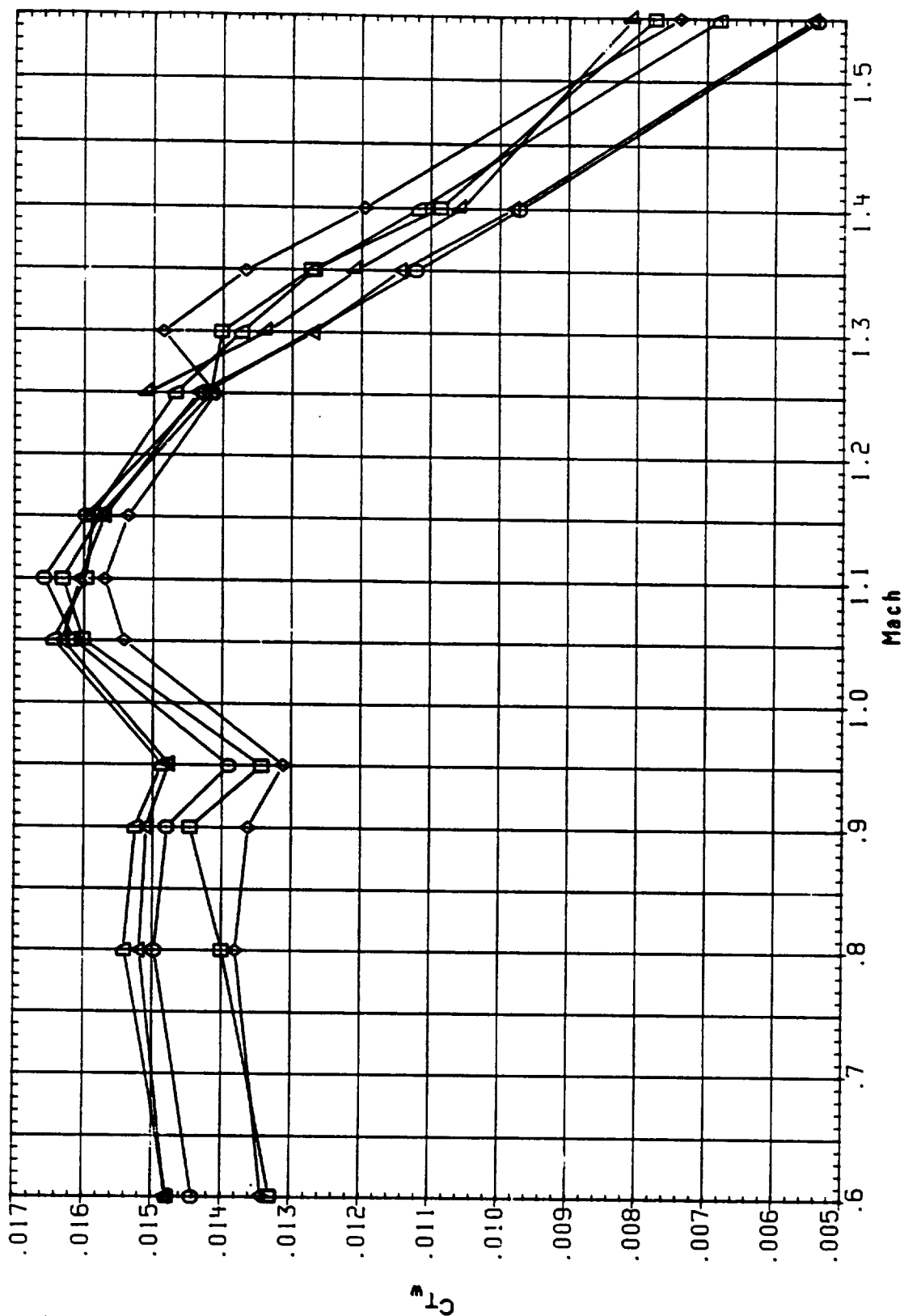


FIG. 4 EFFECT OF ASRM AND PLUMES
 MACH VARIATIONS - ALPHA = 0 DEG.
 (A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	LEVEL
SC0042	○	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	9.000
SC0080	○	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	9.000
SC00C1	◇	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	T + B	5.000

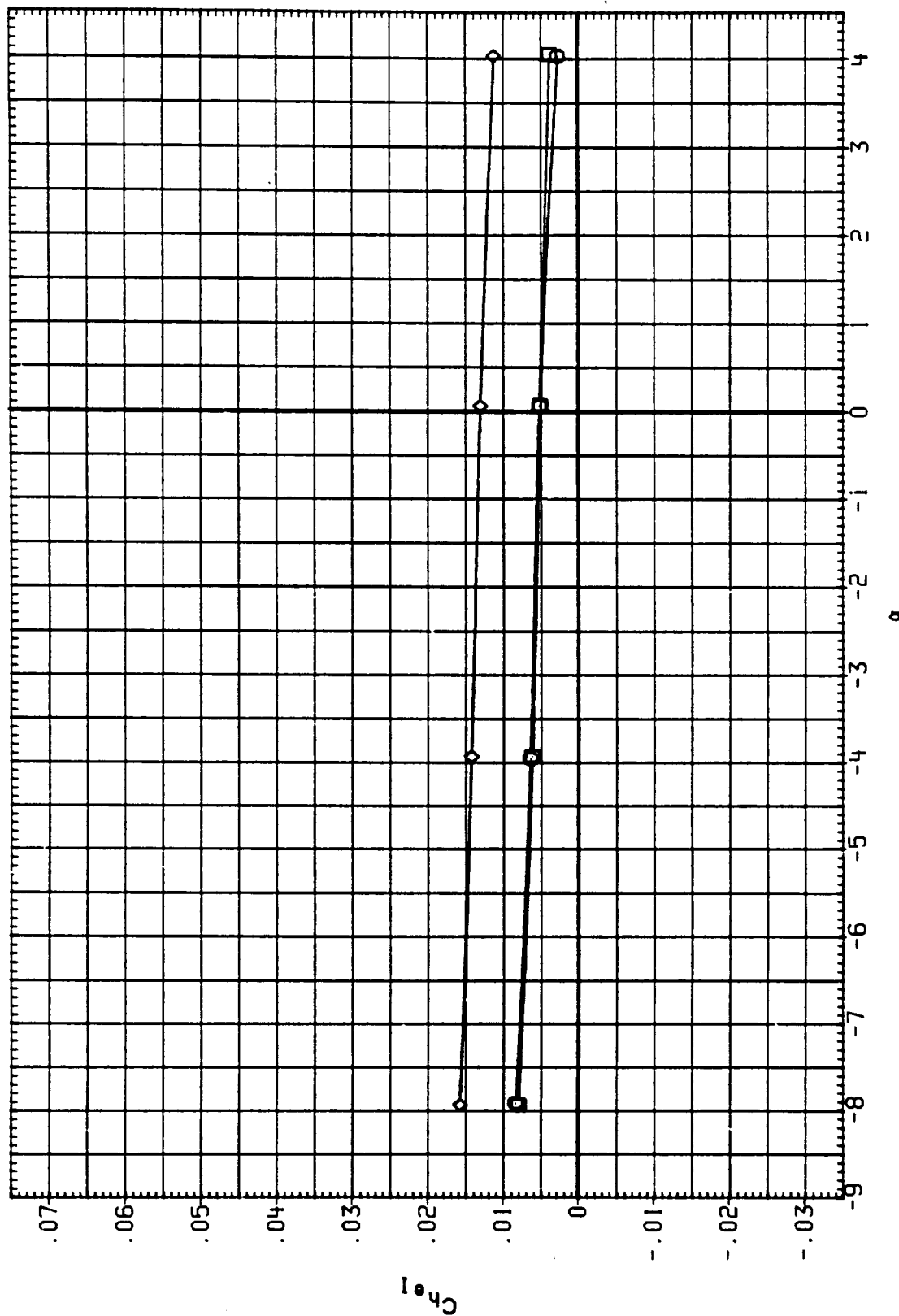


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

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COMPUTER QUALITY

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CS-ELV
SC0042	Q	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000
SC0080	U	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00C1	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	1 + 8	10.000	5.000

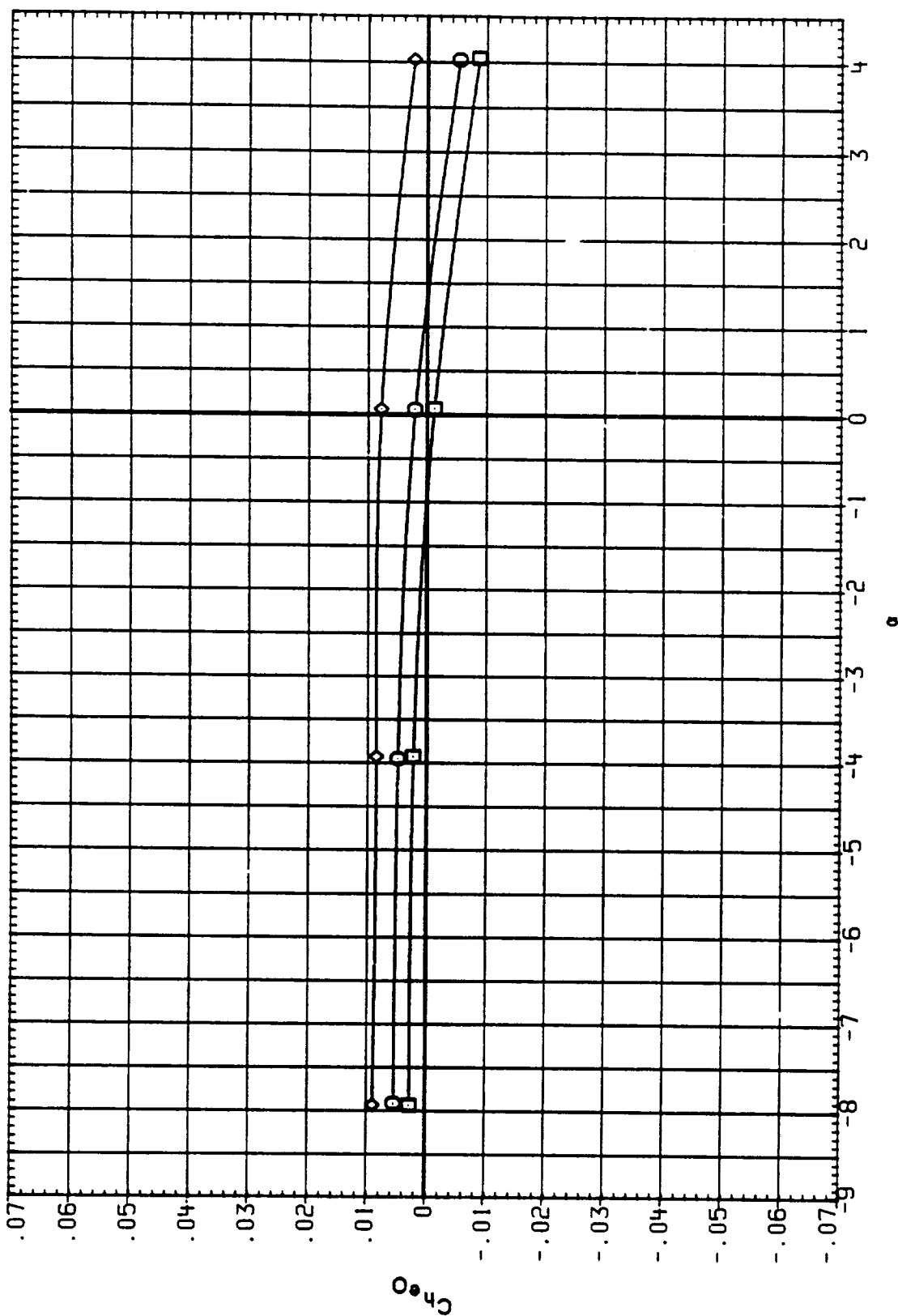


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0042	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00C1	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	T + B	10.000	5.000

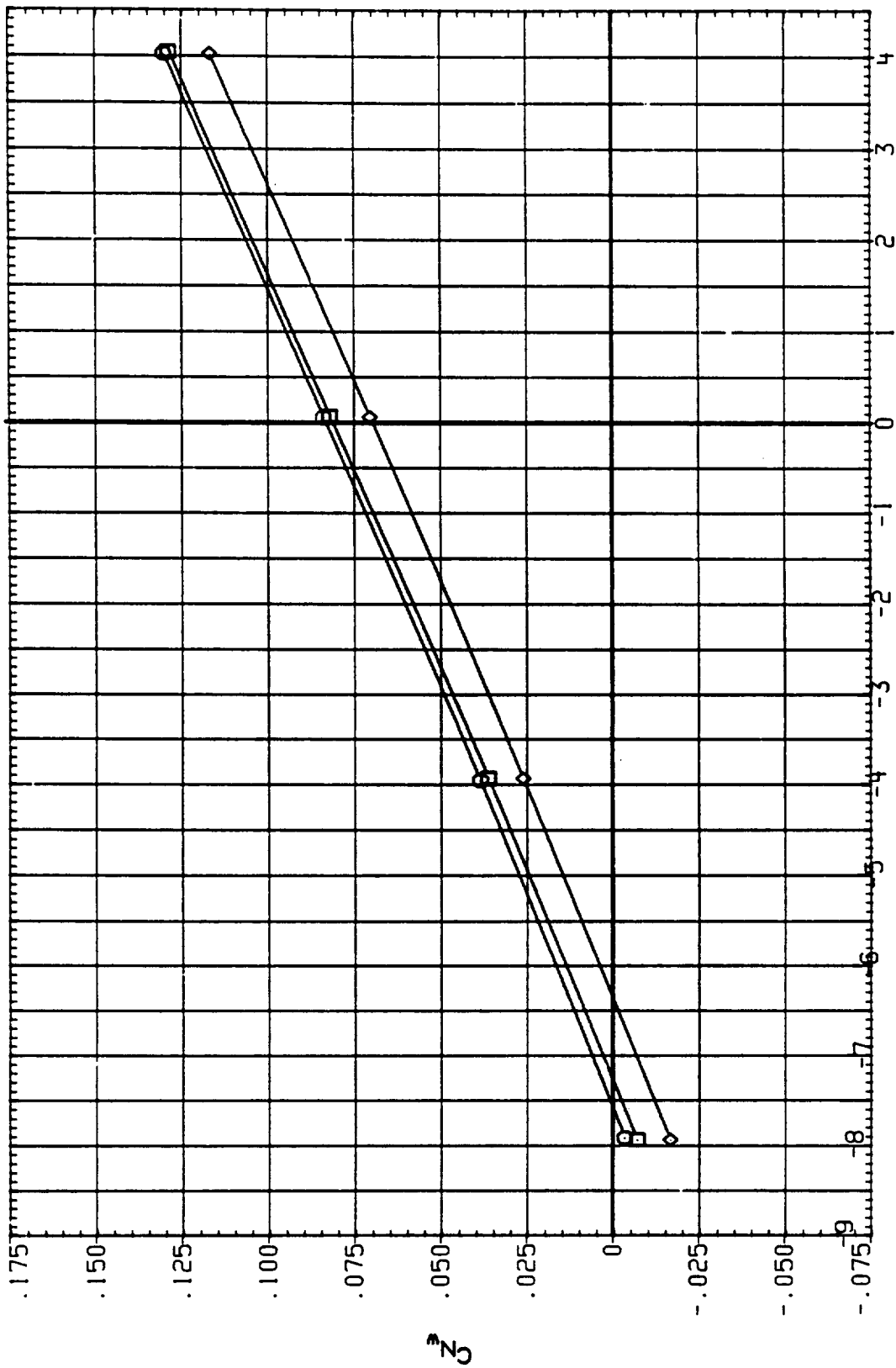


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		PACH		IEA BOX		IS-ELN	
SC0042	Q	IAG13A1AEDC	16TF-829) B/L 01 + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000		
SC0080	Q	IAG13A1AEDC	16TF-829) B/L 01 + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000		
SC00C1	◇	IAG13A1AEDC	16TF-829) B/L 01 + ASRM+PLUMES S1.2	.600	T + B	10.000	5.000		

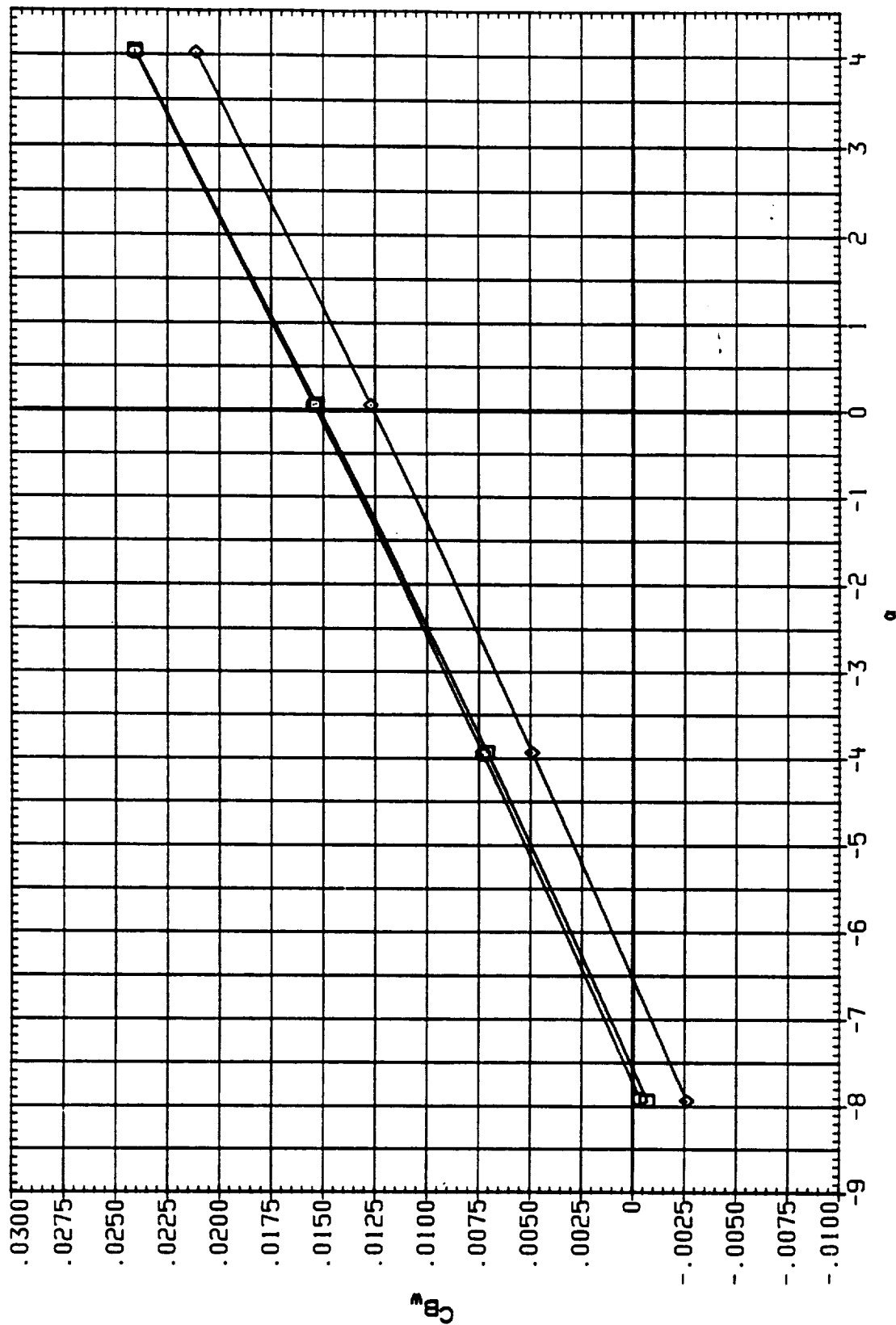


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	CB-ELV
SC00042	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	.600	TOP	10.000	9.000
SC00080	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	.600	BOTTOM	10.000	9.000
SC000C1	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	.600	1 + B	10.000	5.000

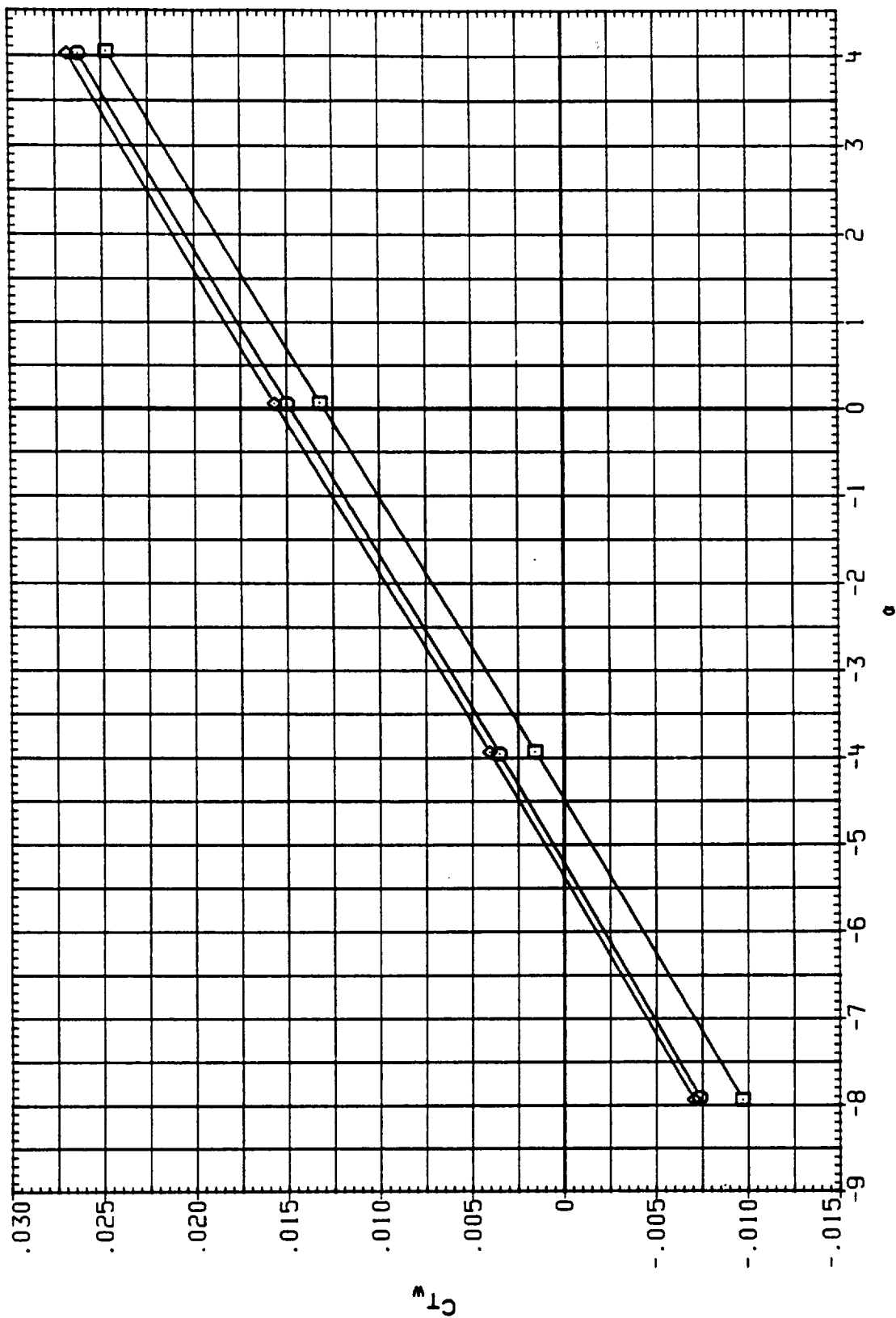


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0043
SC0081

CONFIGURATION
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH
.800

IEABOX
TOP BOTTOM

IB-ELV
10.000 10.000

CE-ELV
9.000 9.000

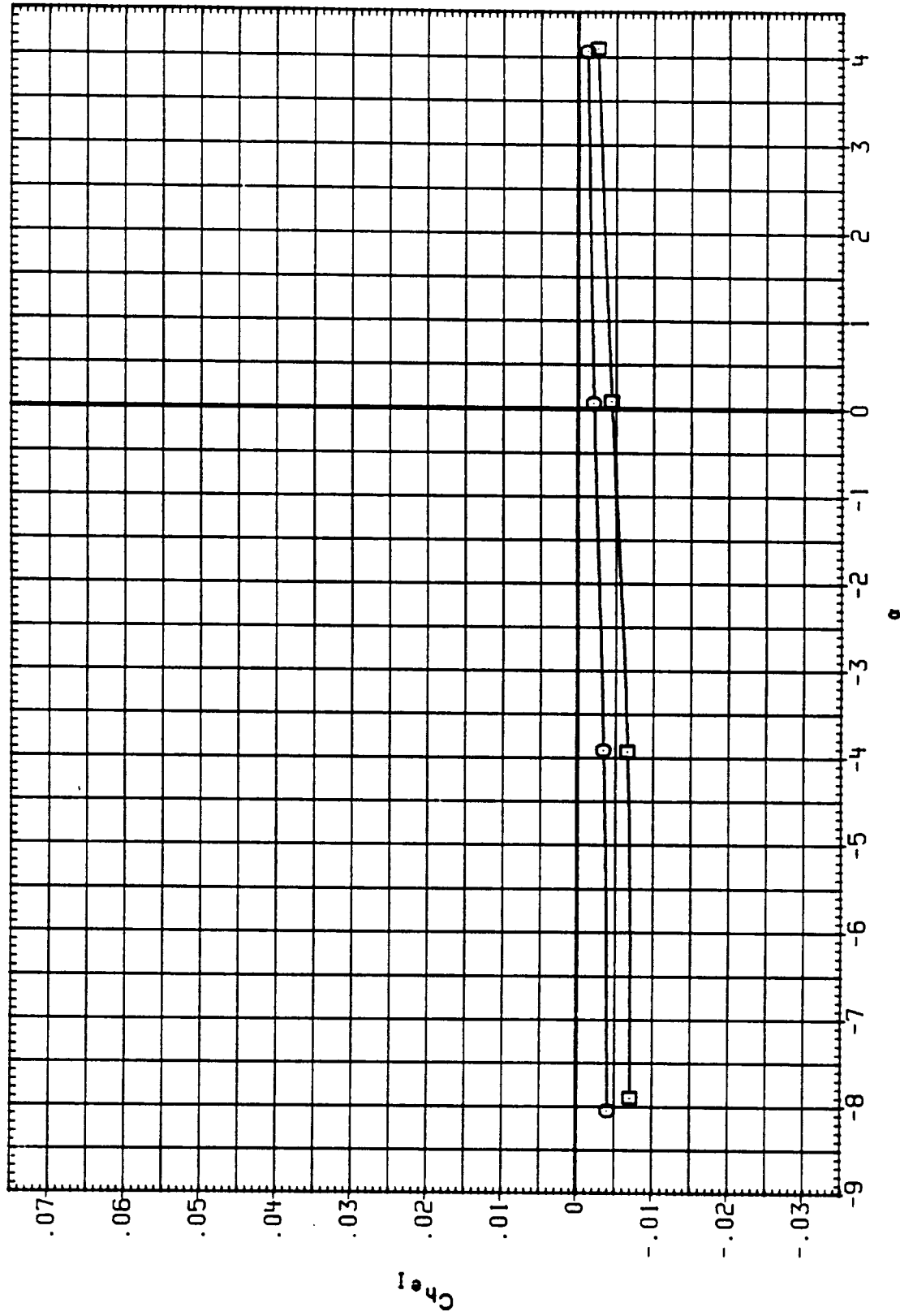


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0043
SC0081

CONFIGURATION
IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH
.800

IEA BOX
TOP
BOTTOM

IB-ELV
10.000
10.000

OB-ELV
9.000
9.000

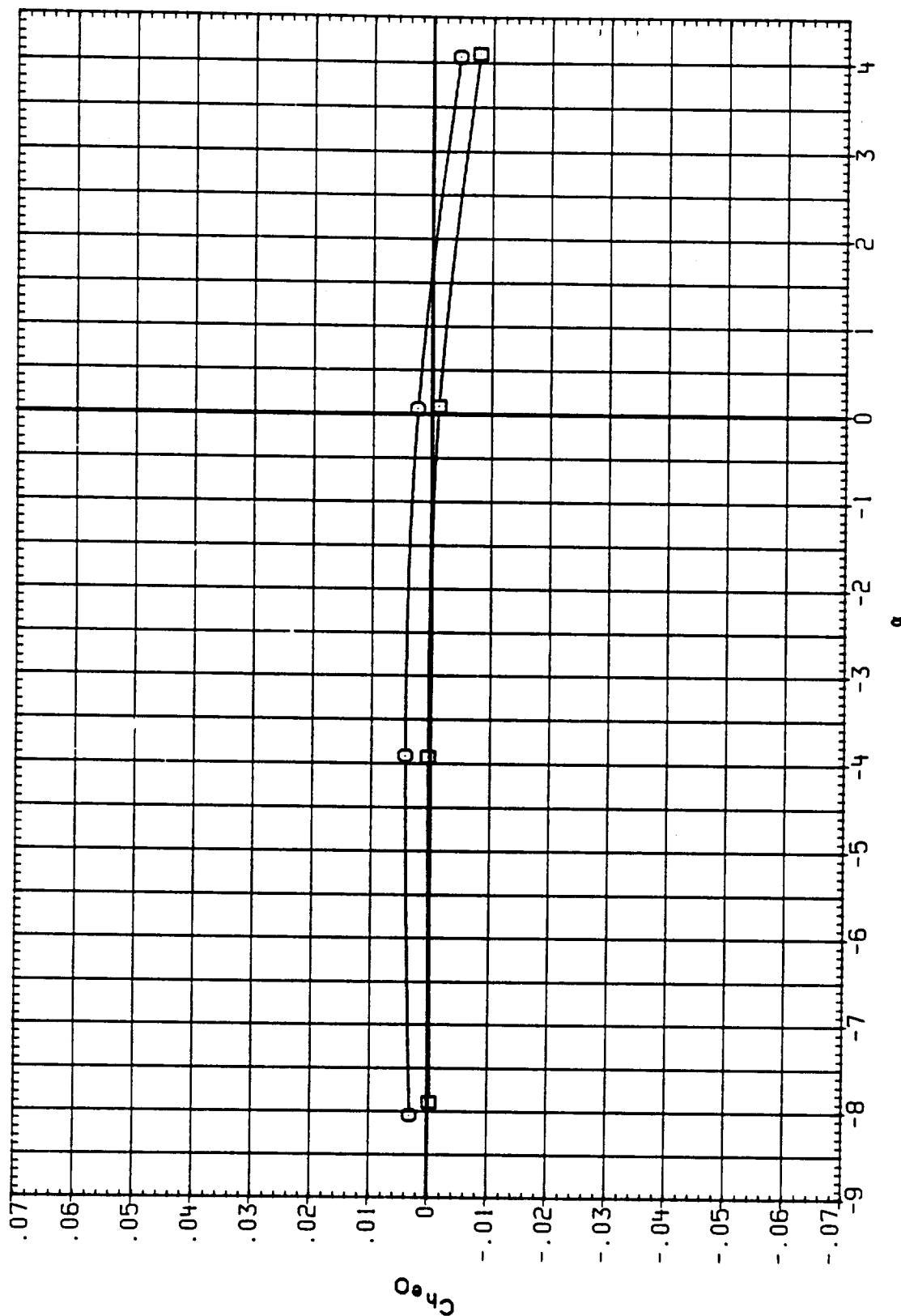


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELY	CB-ELY
SC0043	1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.800	TOP	10.000	9.000
SC0081	1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000

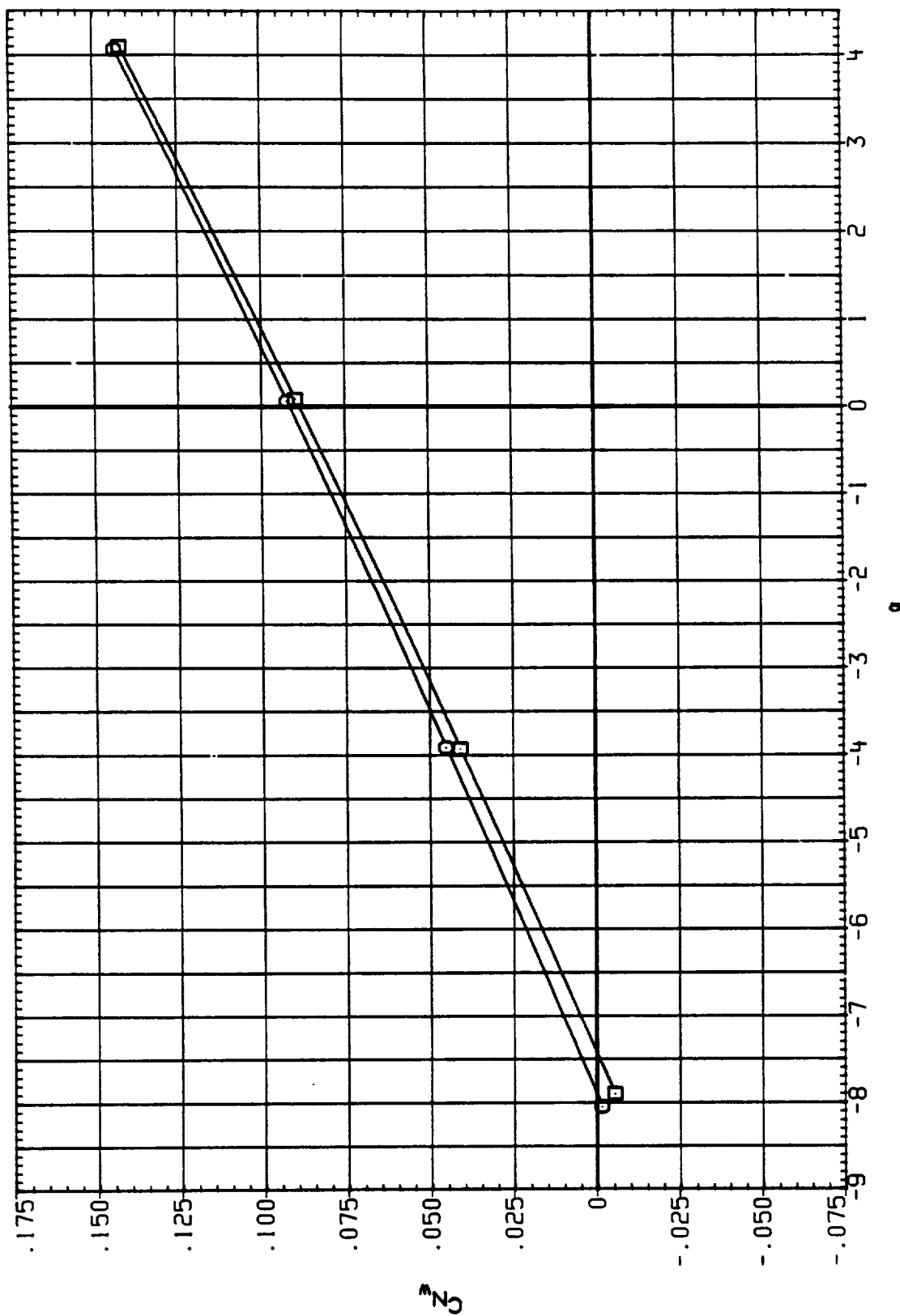


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0043	□	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000
SC0081	□	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000

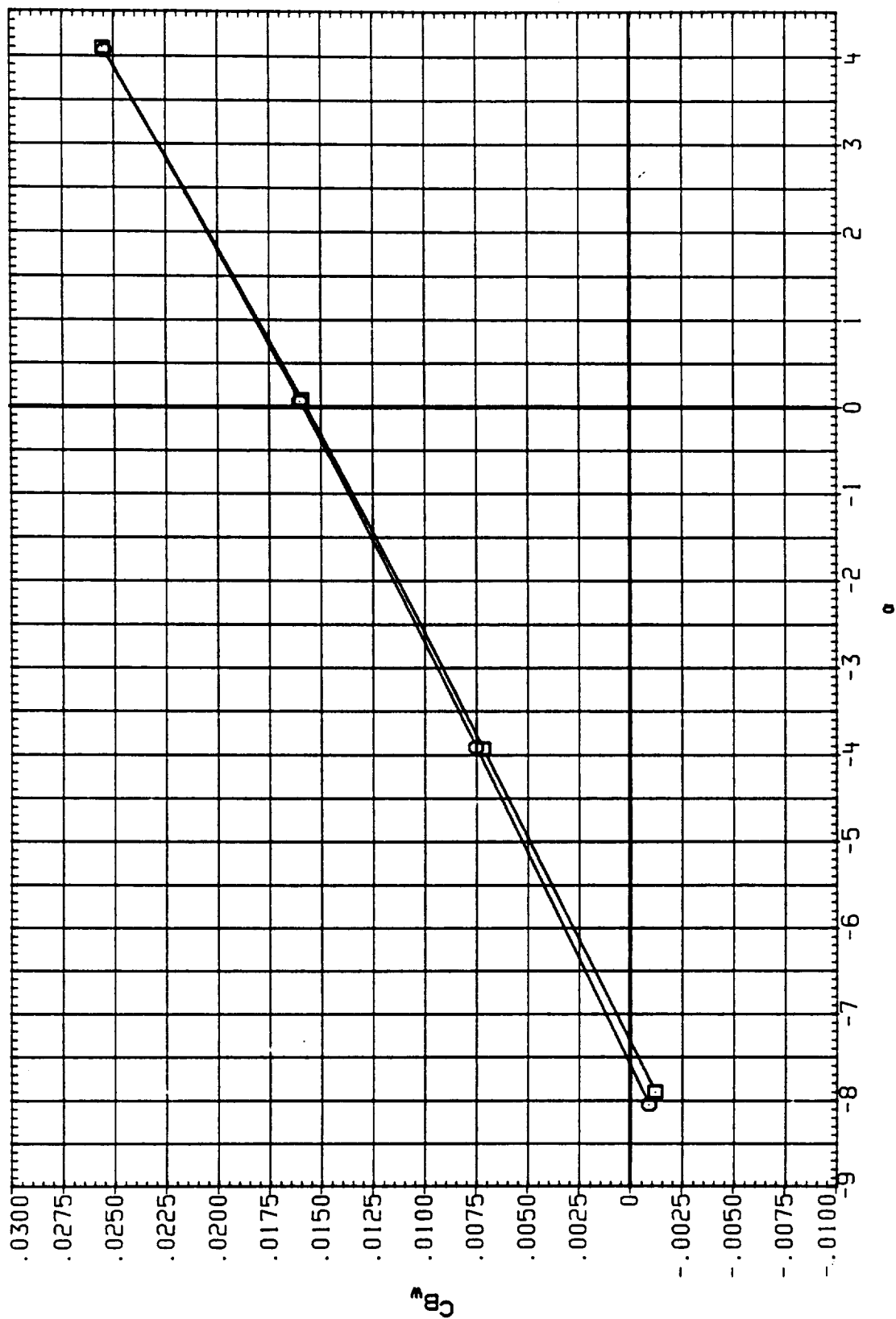


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV

SC0043 1A613A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.2 .800 TOP 10.000 9.000

SC0081 1A613A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.2 .800 BOTTOM 10.000 9.000

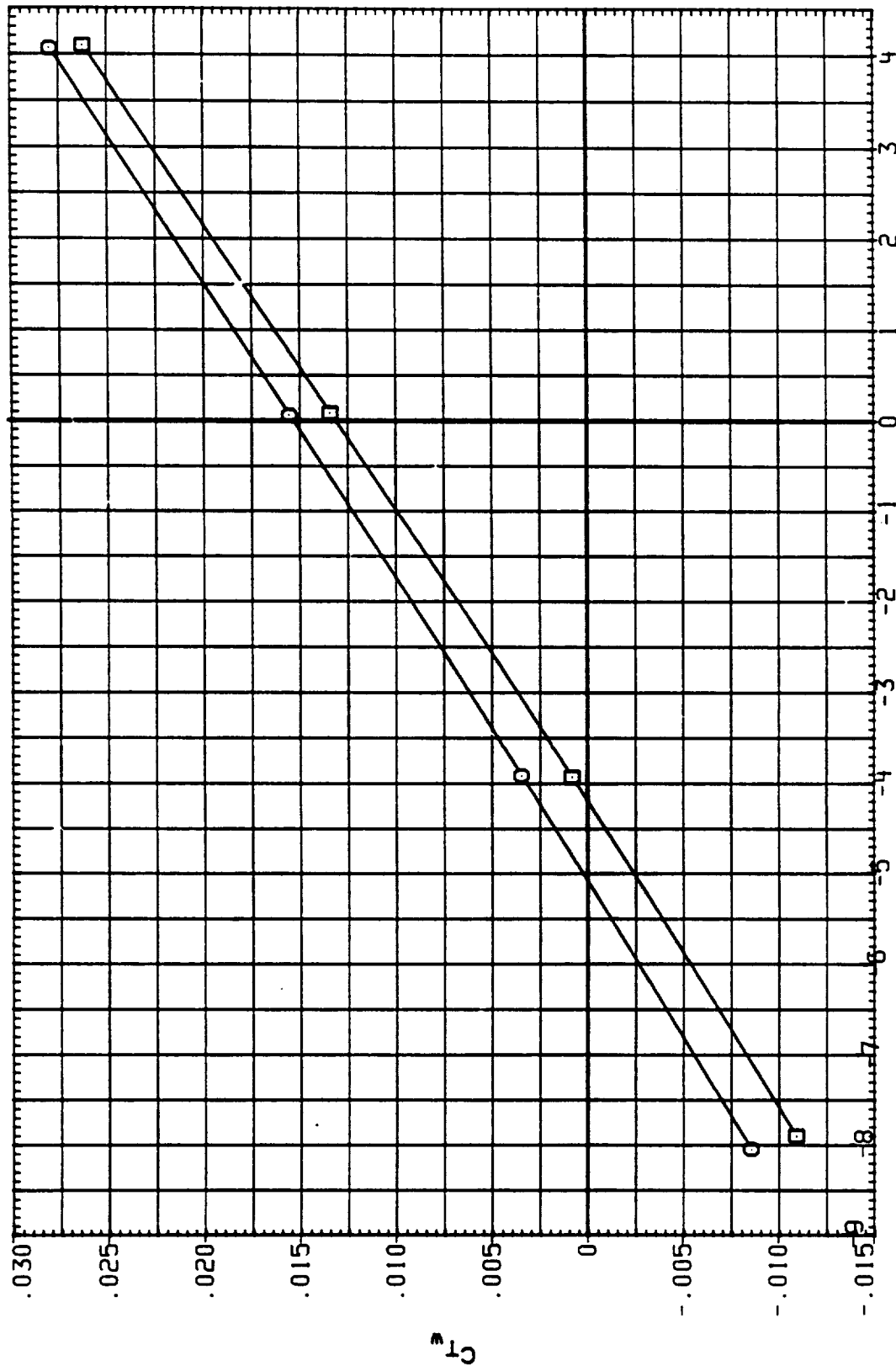


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	PACH	IEADBX	IS-ILV	OS-ILV
SC0044	○	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.900	TOP	10.000	9.000
SC0082	□	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.900	BOTTOM	10.000	9.000
SC00C2	◇	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.900	T + B	10.000	5.000

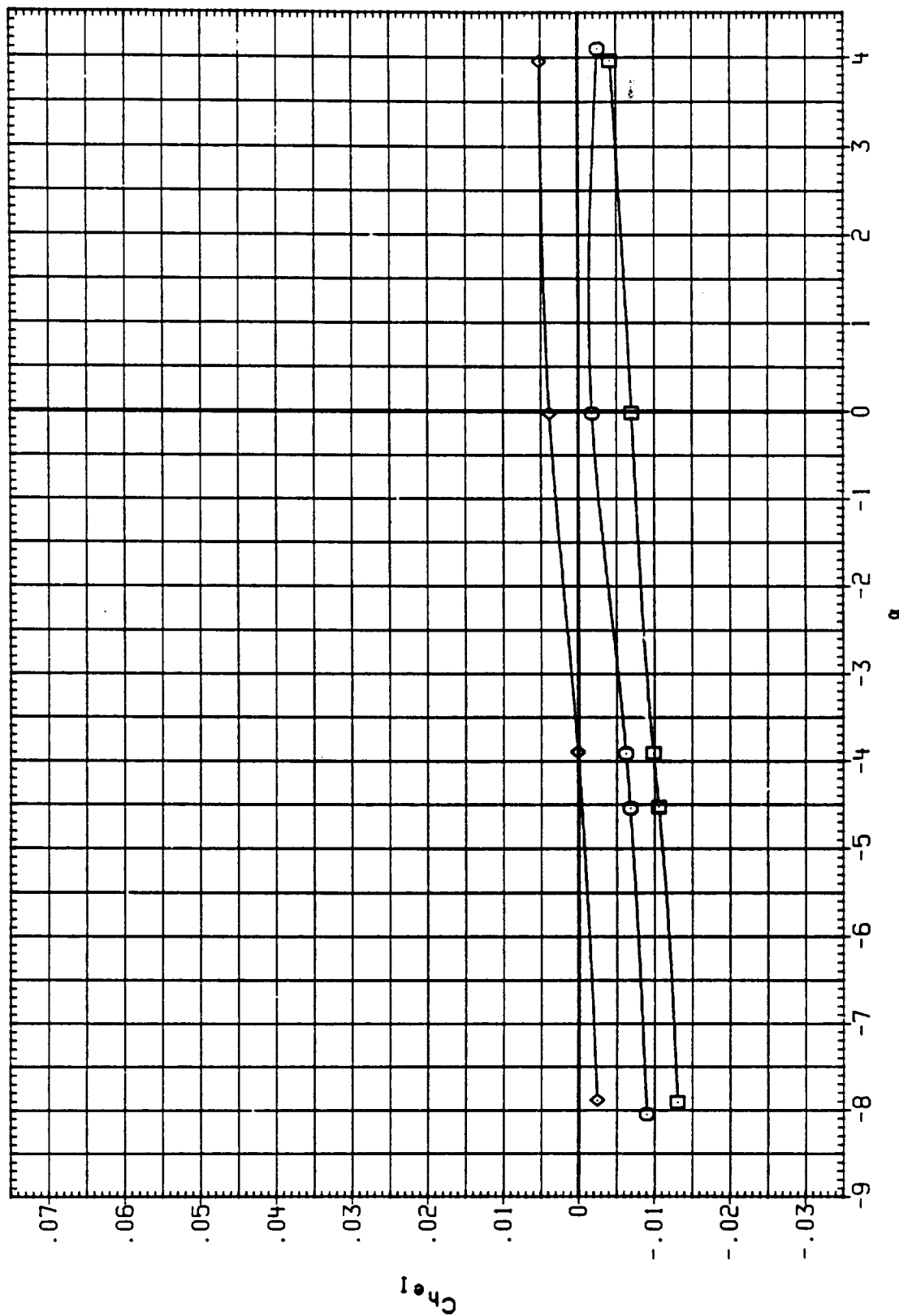


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
SC0044	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000
SC0082	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000
SC0062	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	T + B	10.000	5.000

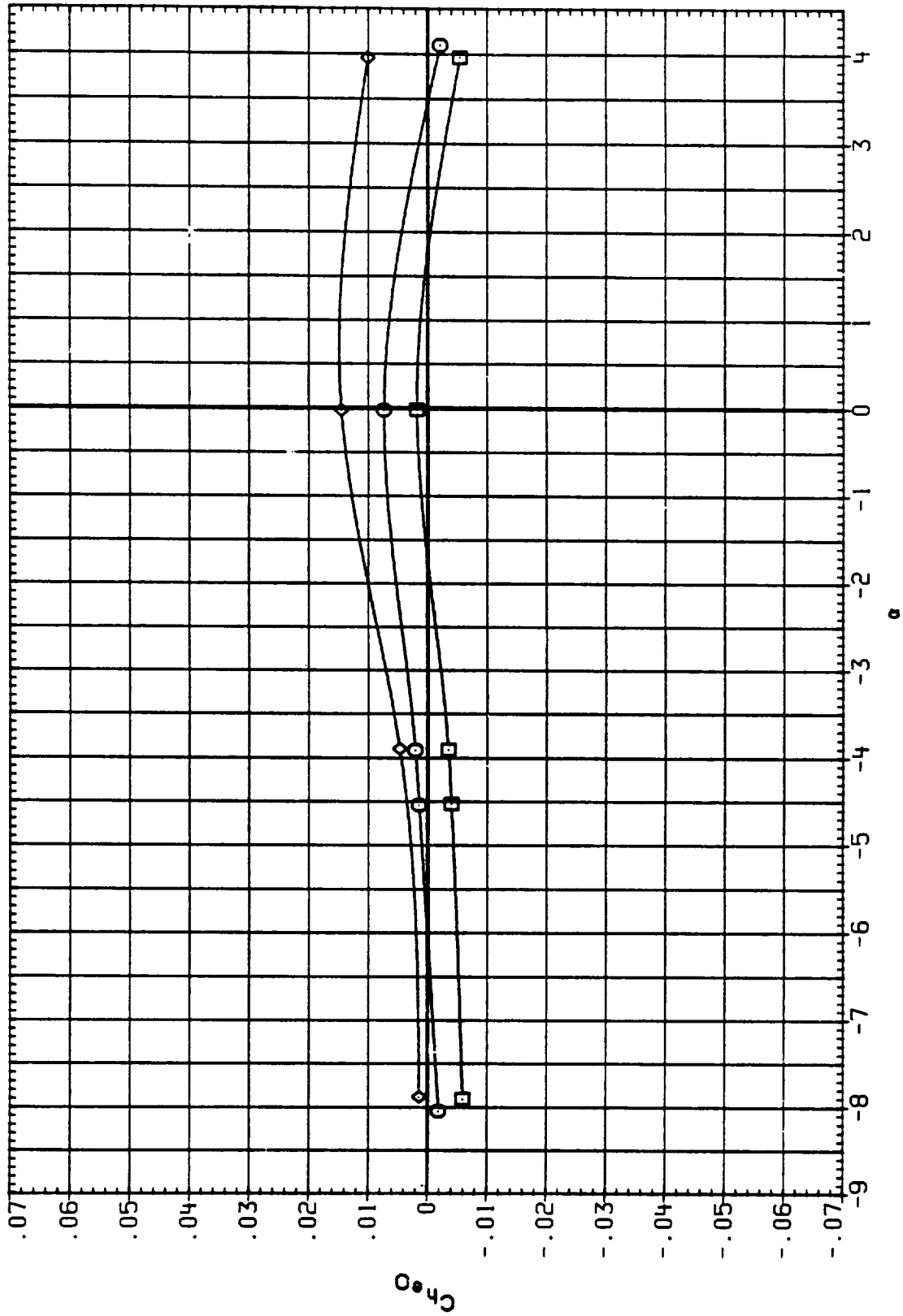


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	CB-ELV
SC0044	○	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	.900	TOP	10.000	9.000
SC0082	□	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	.500	BOTTOM	10.000	9.000
SC00C2	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	.900	T + B	10.000	5.000

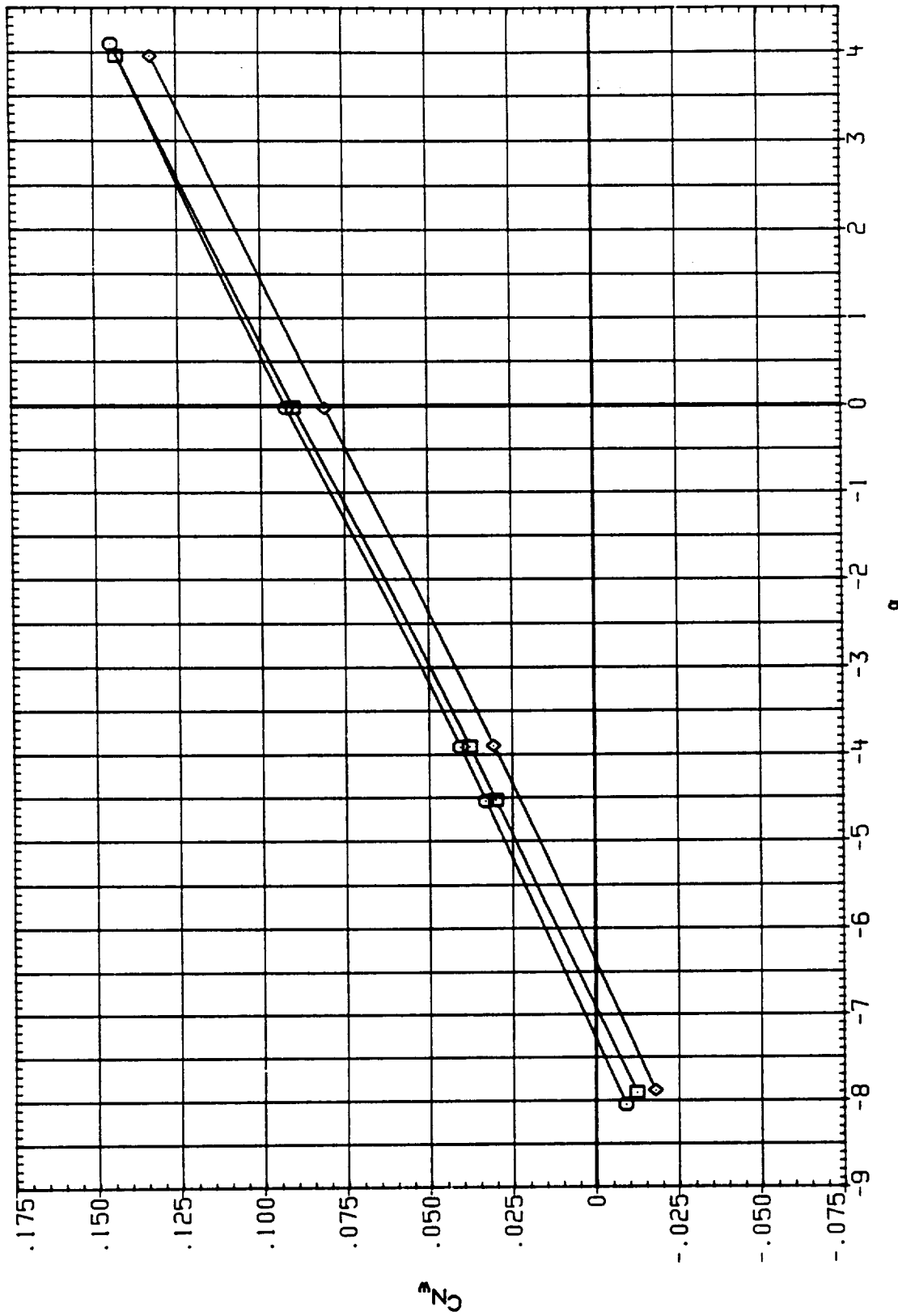


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0004
SC0002

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.900
.900
.900

IEA BOX

TOP
BOTTOM
T + B

IB-ELV

10.000
10.000
10.000

OB-ELV

9.000
9.000
5.000

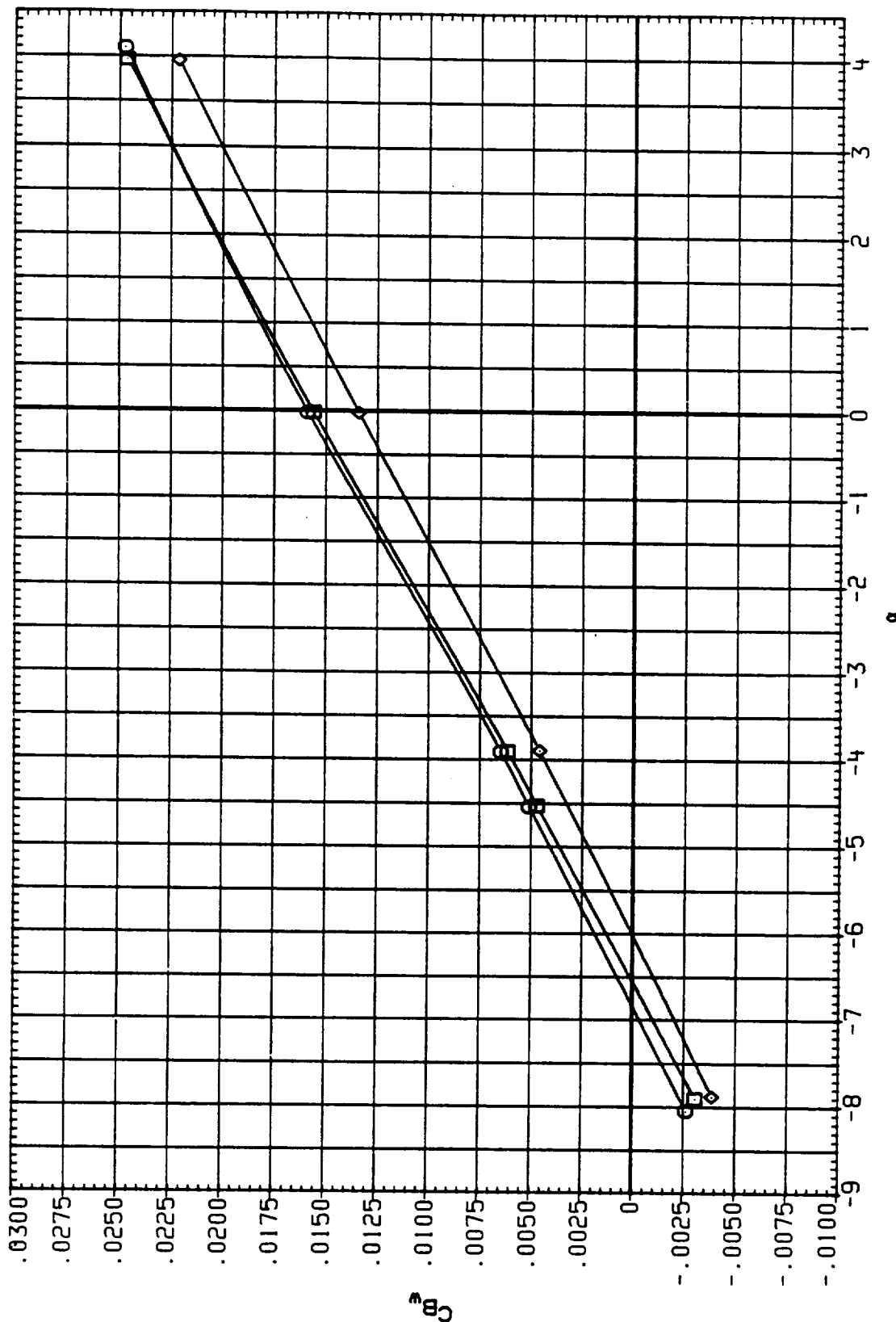


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0044	○	IA613A1AEDC	16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000				
SC0082	□	IA613A1AEDC	16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000				
SC00C2	◇	IA613A1AEDC	16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	T + 8	10.000	5.000				

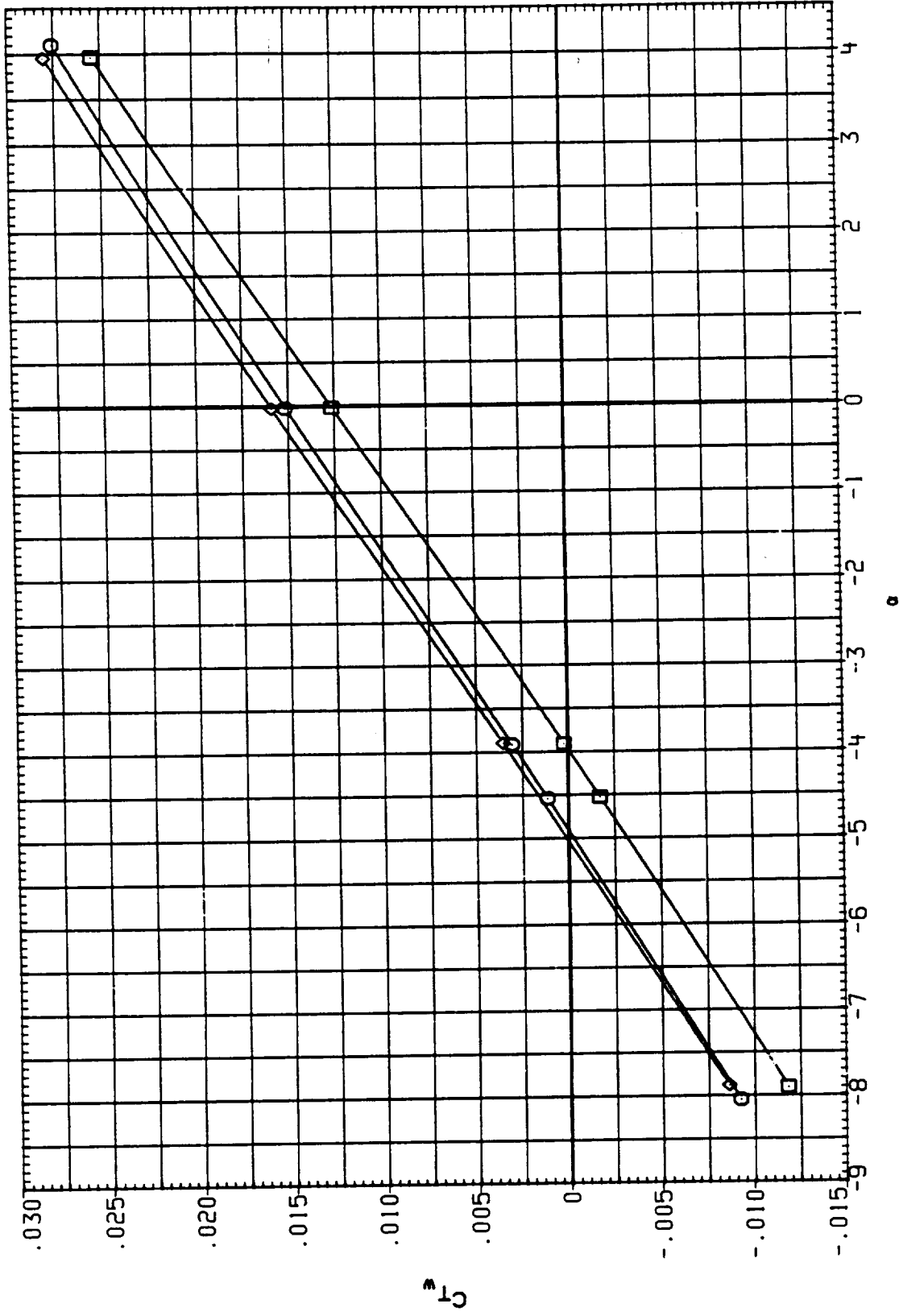


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0045
SC0083

CONFIGURATION
12613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2
1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2

MACH
.950

IE4BOX
TOP
BOTTOM

18-ELV
10.000
10.000

09-ELV
9.000
9.000

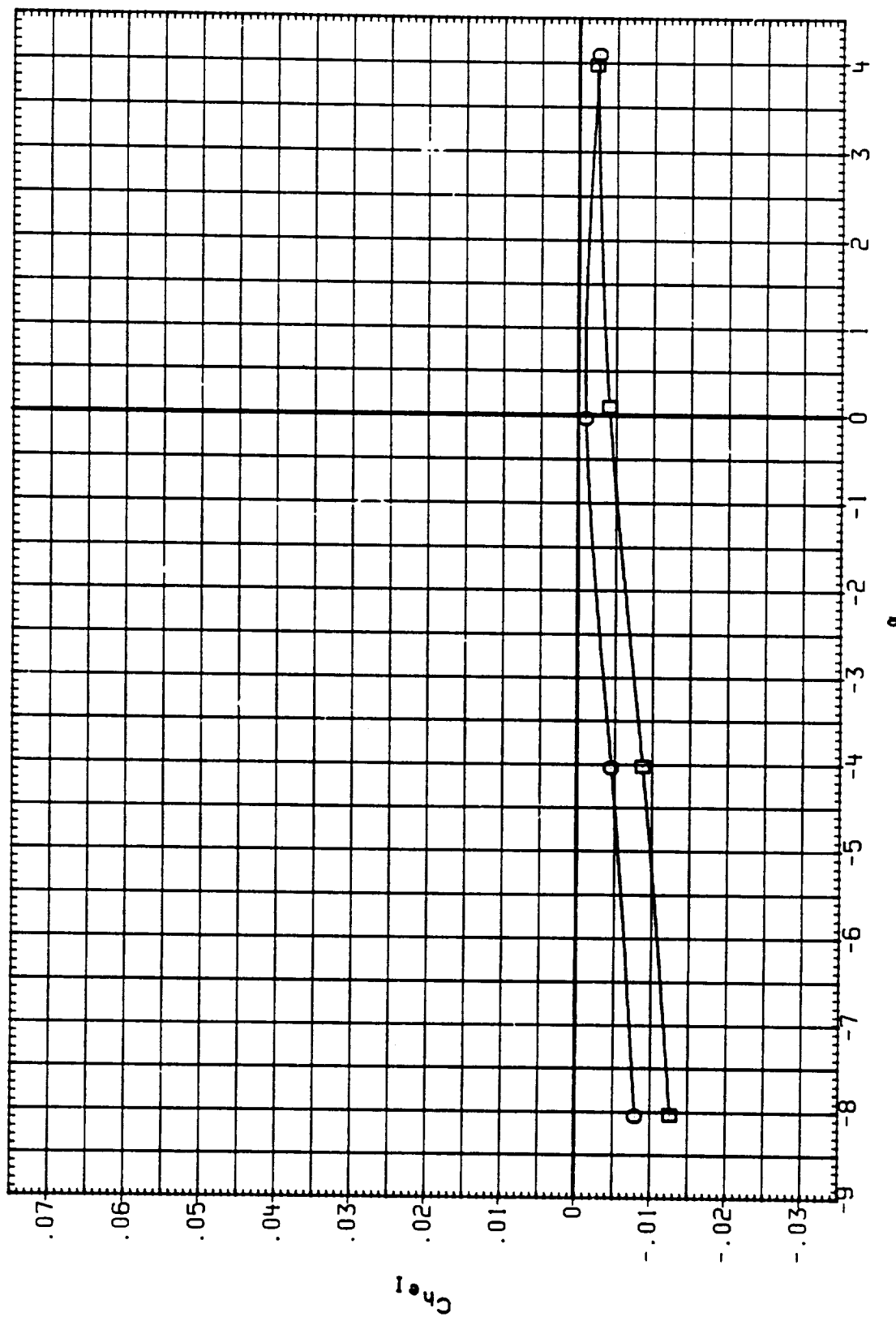


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0045	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.950	TOP	10.000	9.000
SC0083	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.950	BOTTOM	10.000	9.000

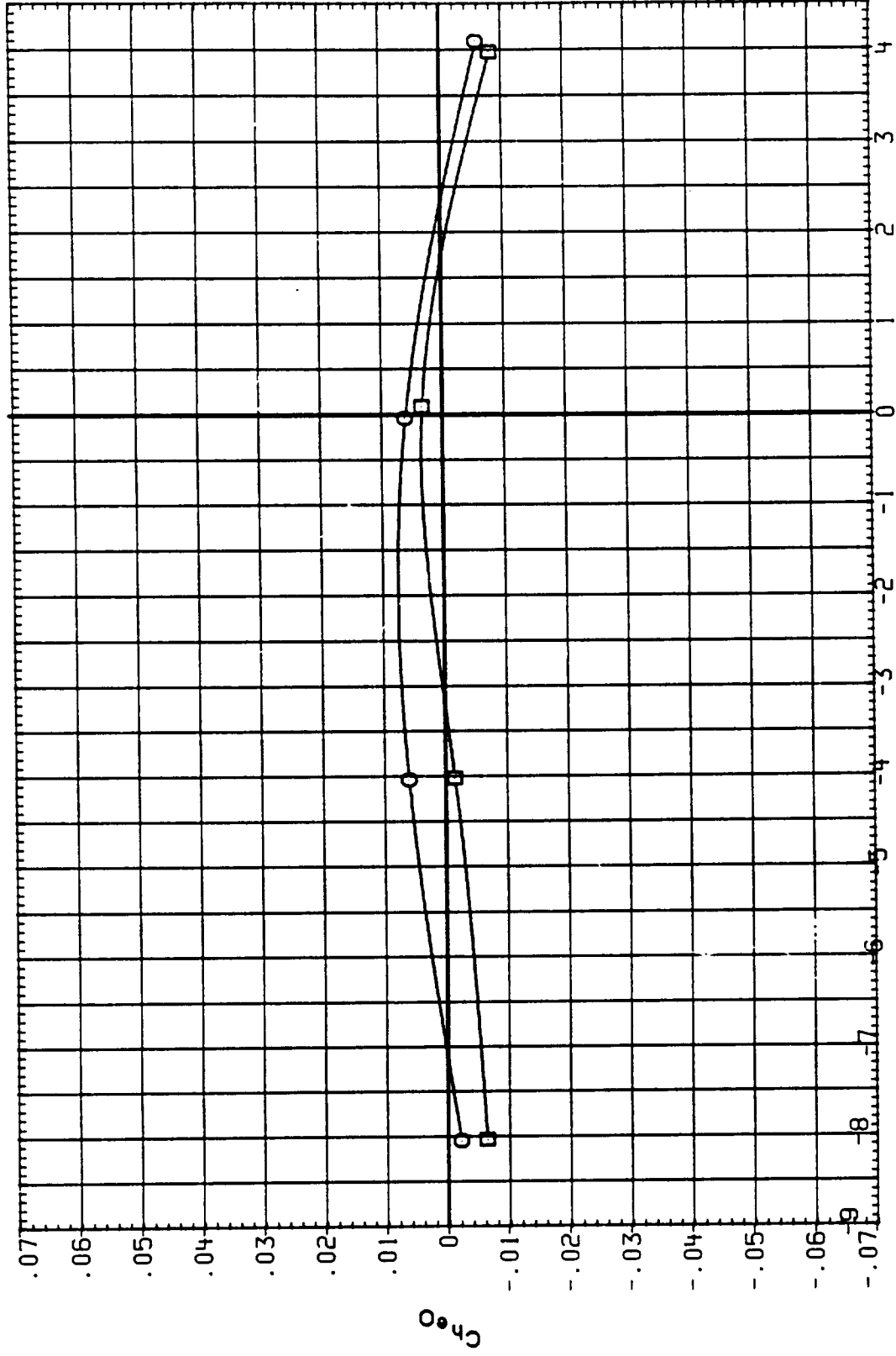


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0045	○	IA613A1AEDC	16TF-829) B/L OT + ASRM+PLUNES S1.2	.950	TOP	10.000	9.000				
SC0083	□	IA613A1AEDC	16TF-829) B/L OT + ASRM+PLUNES S1.2	.950	BOTTOM	10.000	9.000				

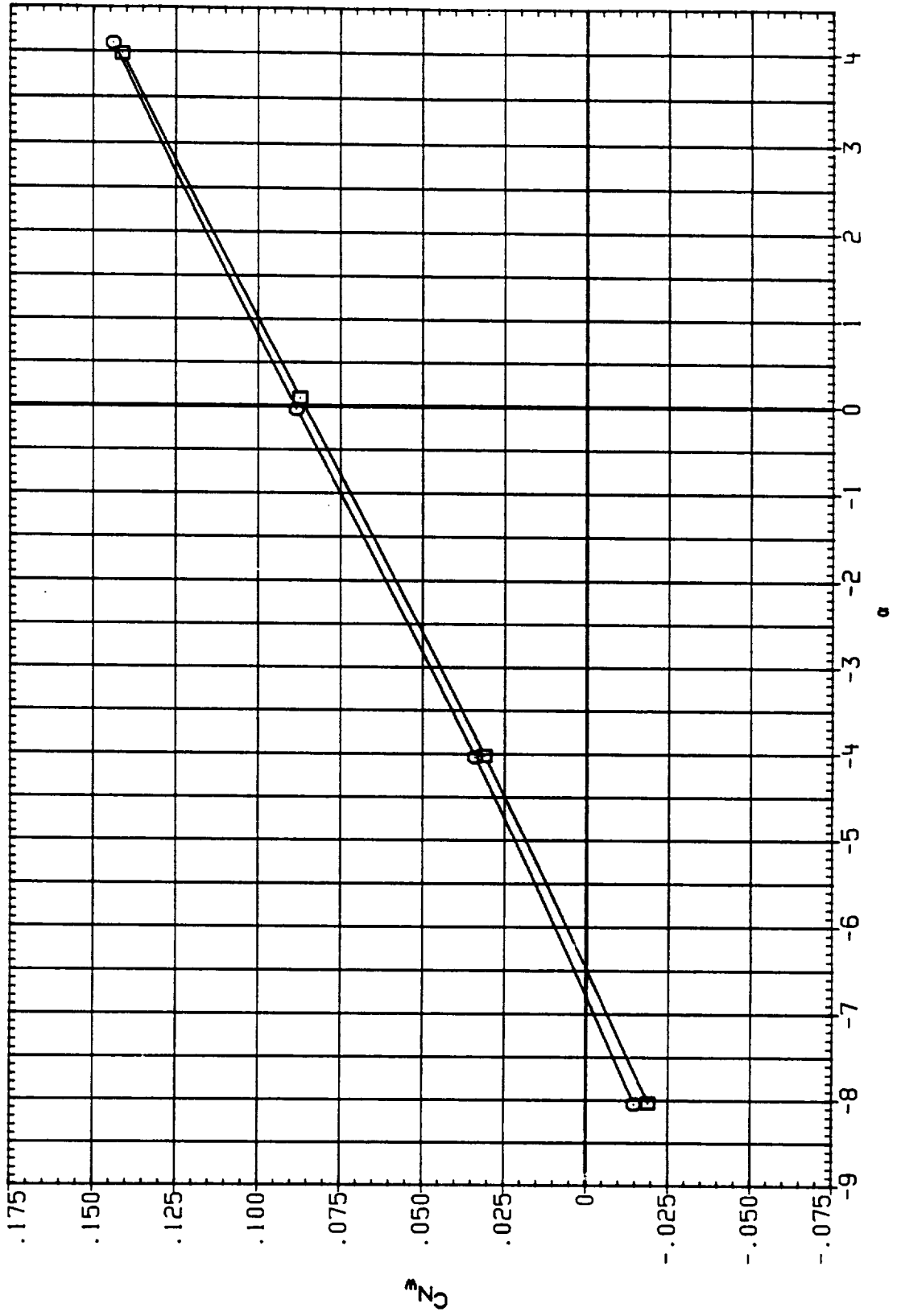


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0045	□	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	TOP	10.000	9.000
SC0083	□	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000

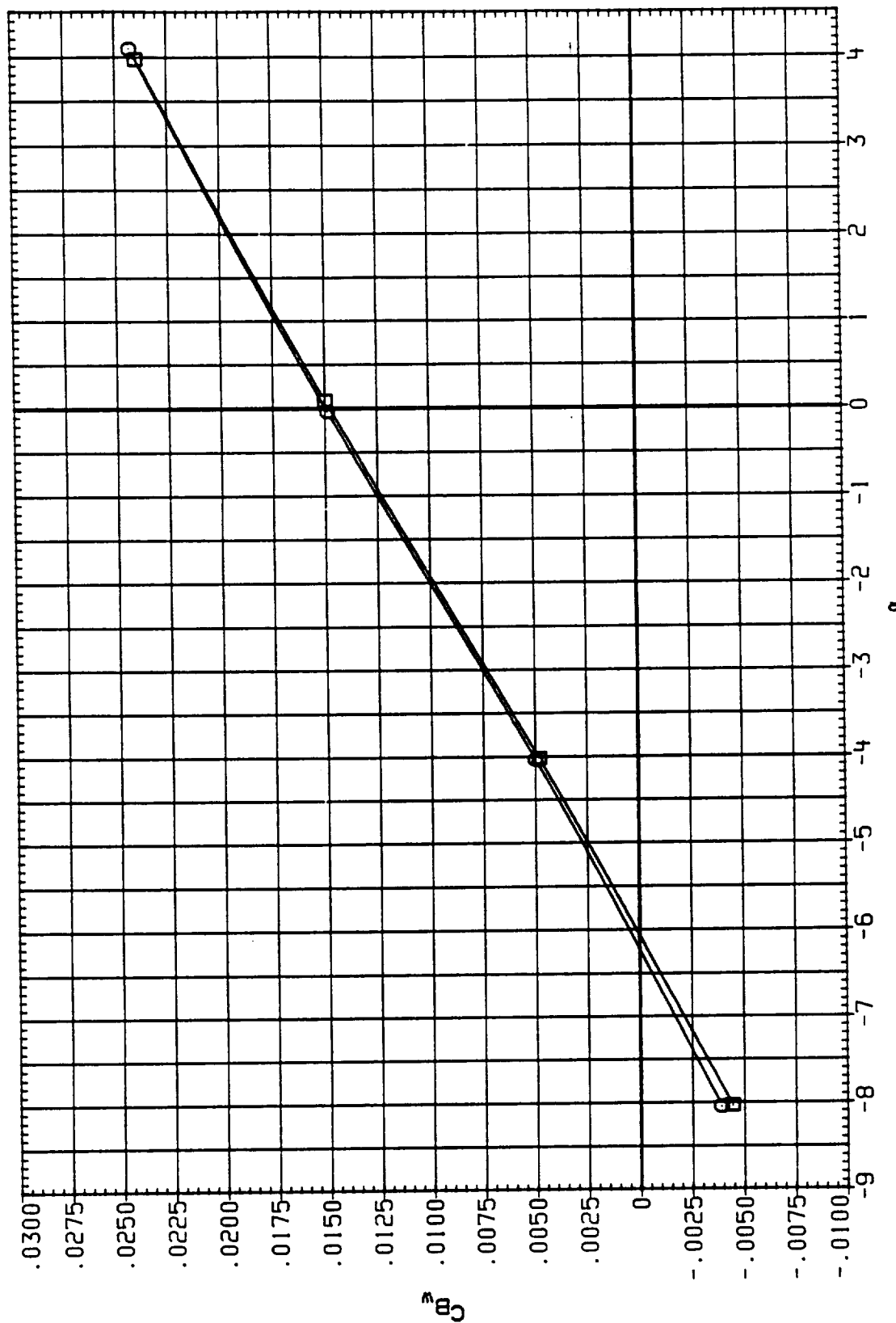


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEA BOX		IB-ELV		OB-ELV	
SC0045	○	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES S1.2	.950	TOP	10.000	9.000				
SC0083	□	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000				

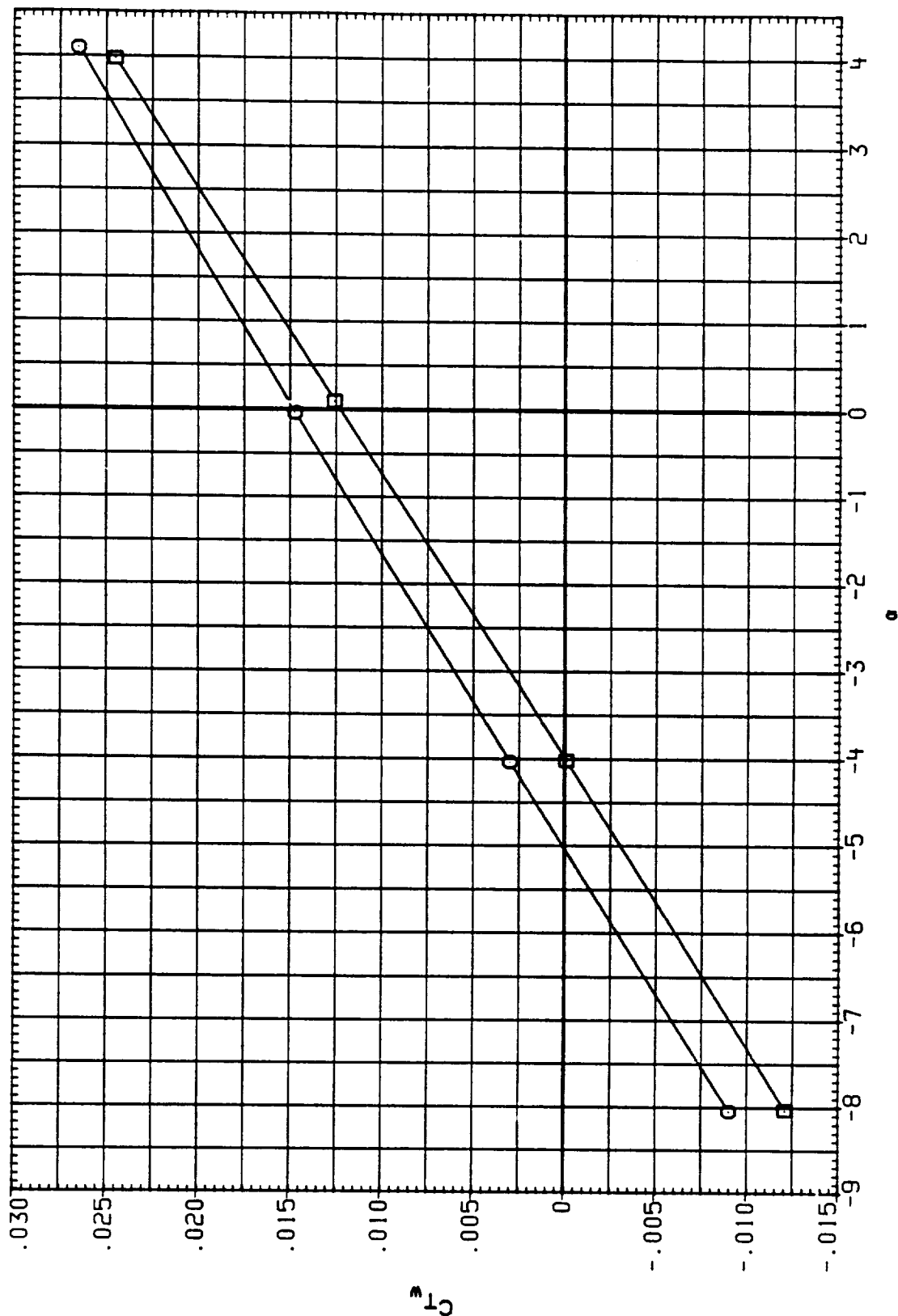


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0046	IA613A1AEDC 16TF-829) B/L 01 + ASRH+PLUMES S1.2	1.050	TOP	10.000	9.000
SC0084	IA613A1AEDC 16TF-829) B/L 01 + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000

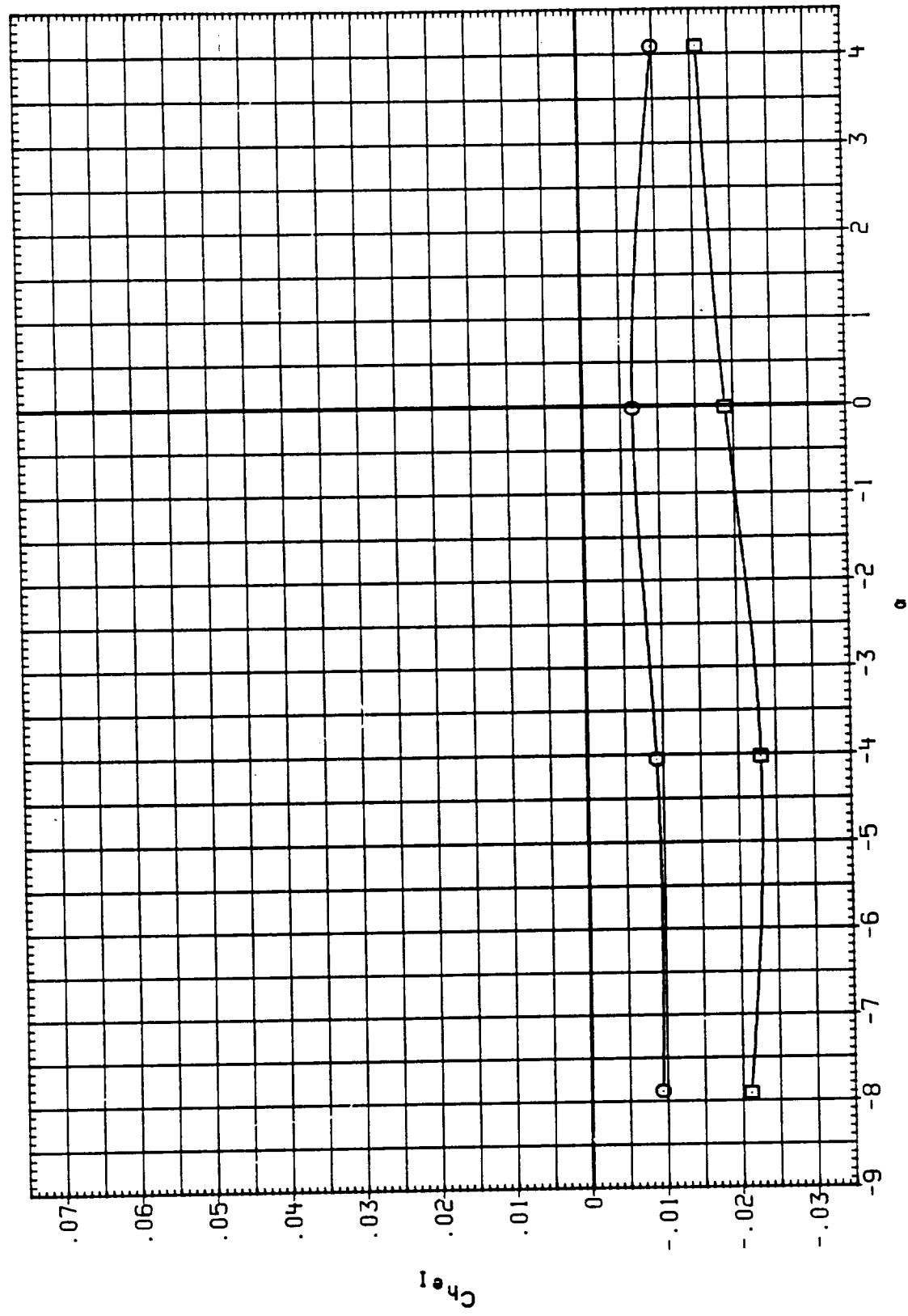


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC00H6
SC00B4

CONFIGURATION
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH
1.050
1.050

IEA BOX
TOP
BOTTOM

IB-ELV
10.000
10.000

OB-ELV
9.000
9.000

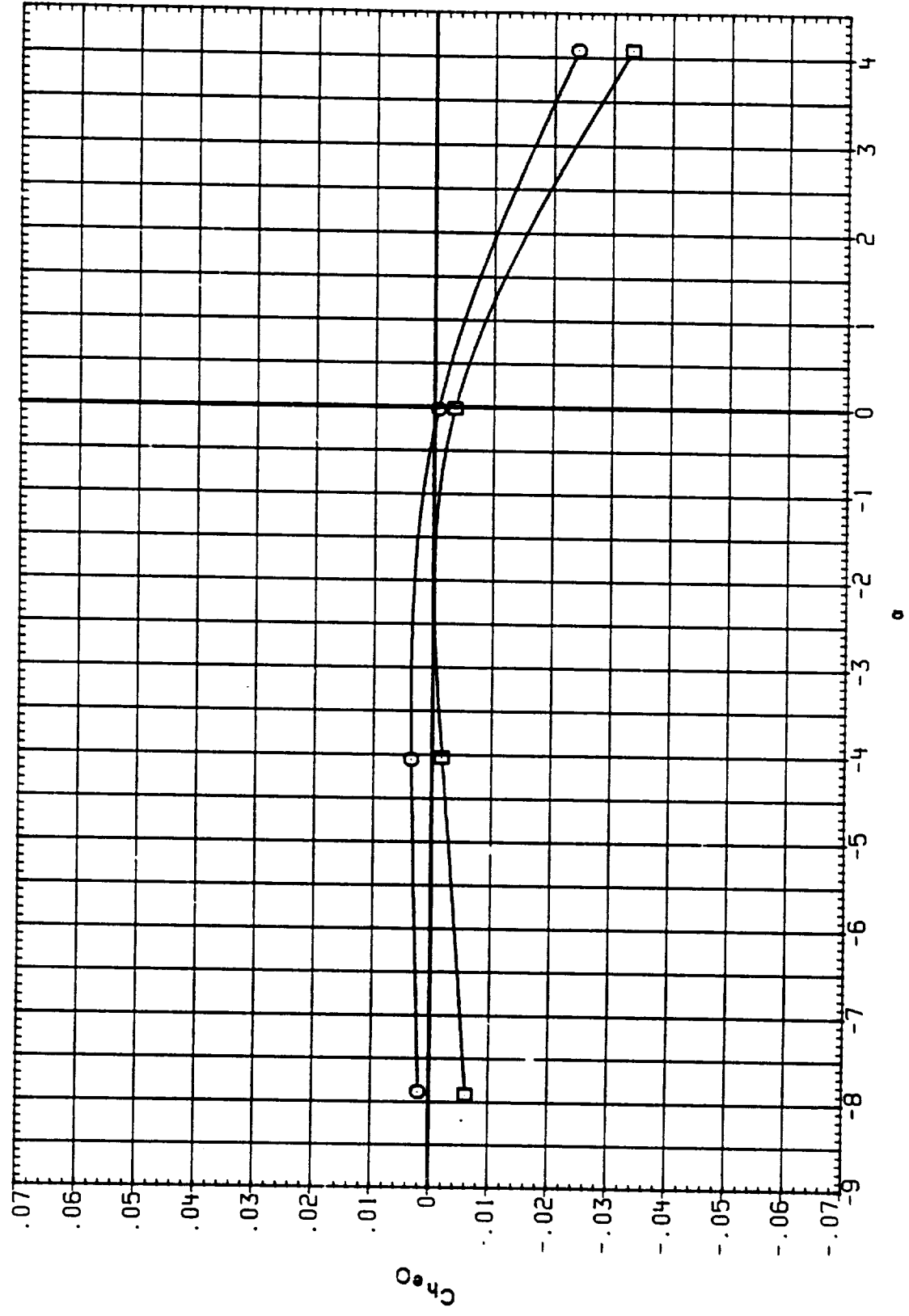


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0006	1A613A(AEDC 16:F-829) B/L OT + ASRM+PLUMES SI.2	1.050	TOP	10.000	9.000
SC0084	1A613A(AEDC 16:F-829) B/L OT + ASRM+PLUMES SI.2	1.050	BOTTOM	10.000	9.000

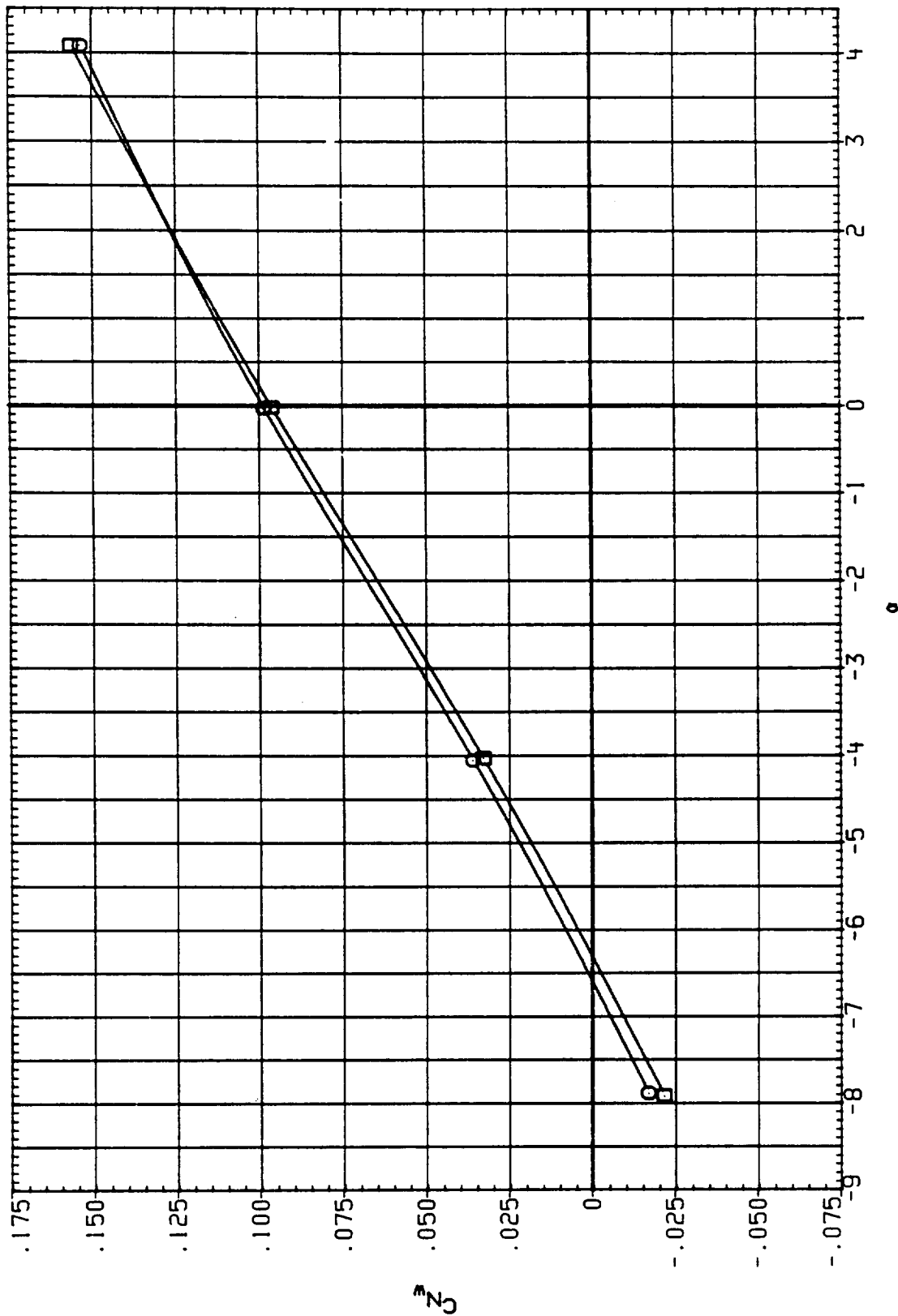


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0046	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	TOP	10.000	9.000
SC0084	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000

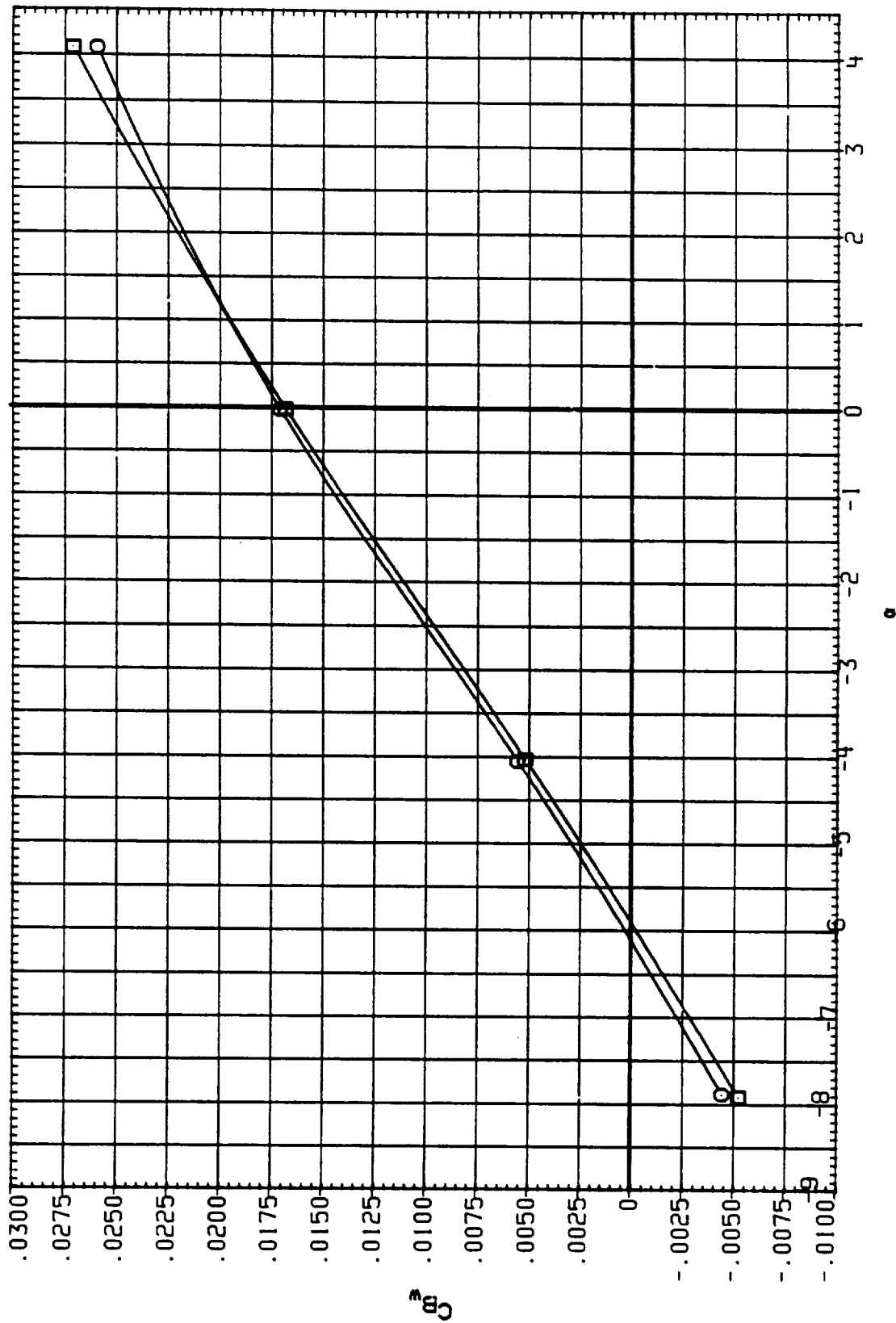


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION		MACH	IEABOX	IB-ELV	OB-ELV
SC0046	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES S1.2	1.050	TOP	10.000	9.000
SC0084	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000

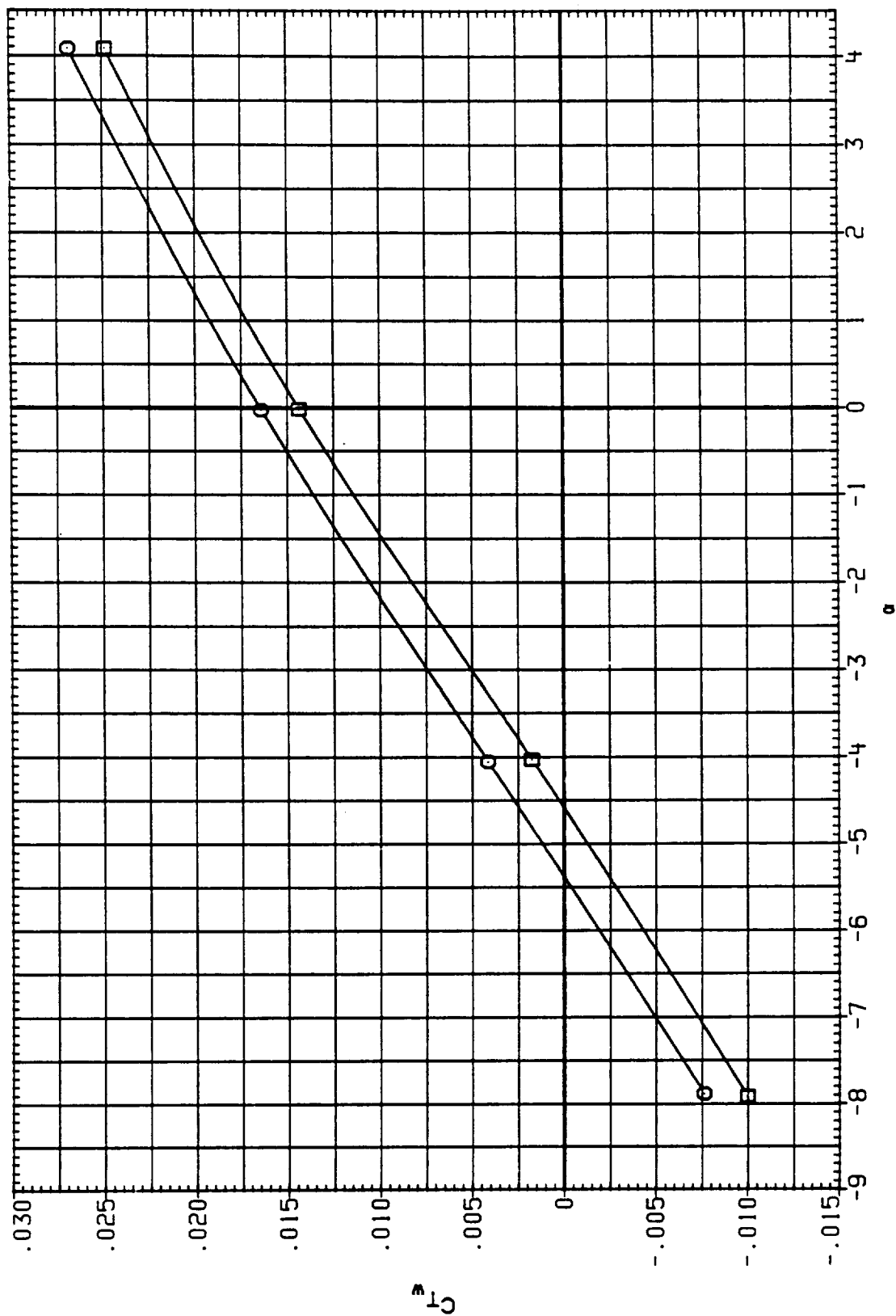


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0047	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	T + B	10.000	5.000

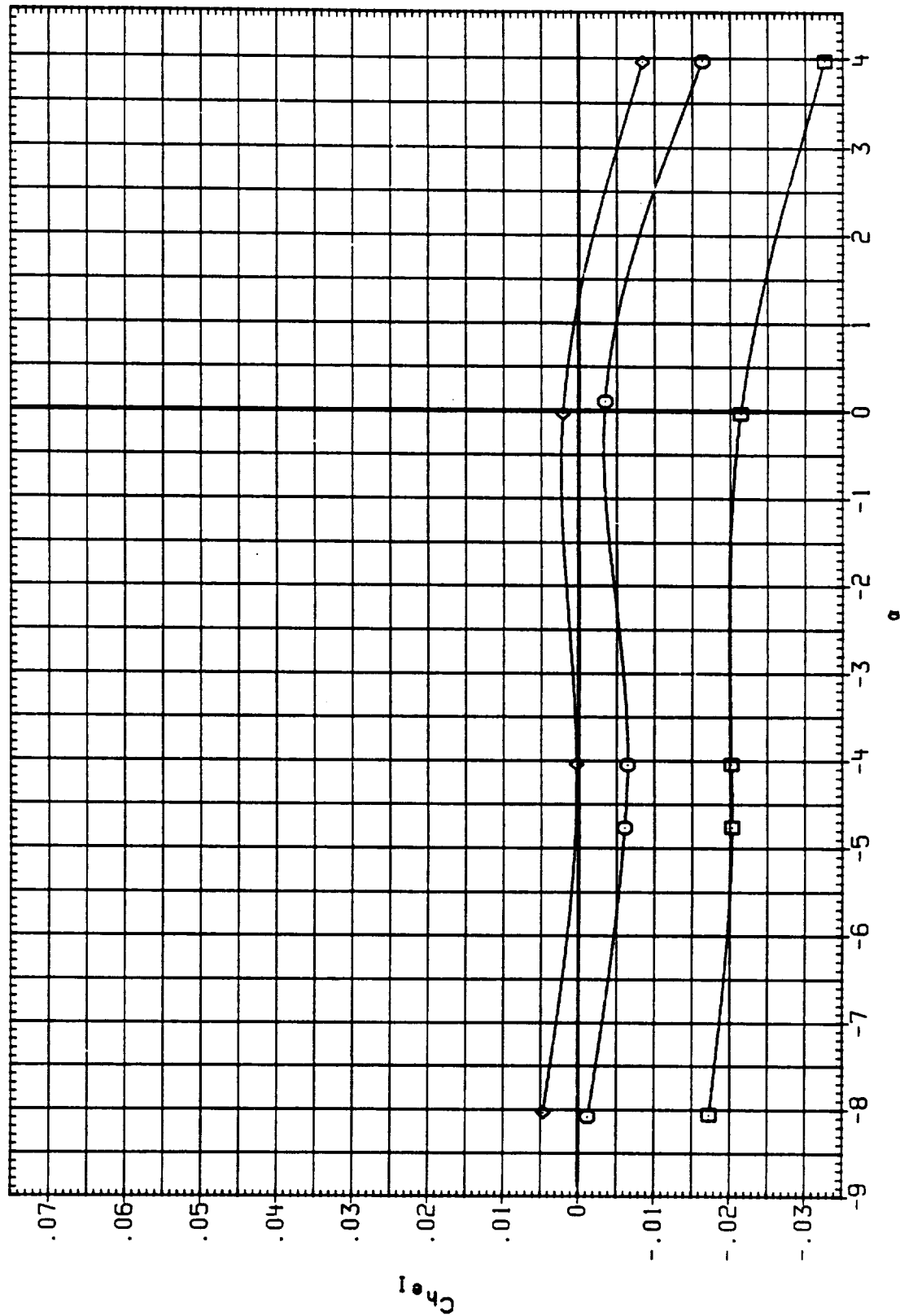


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

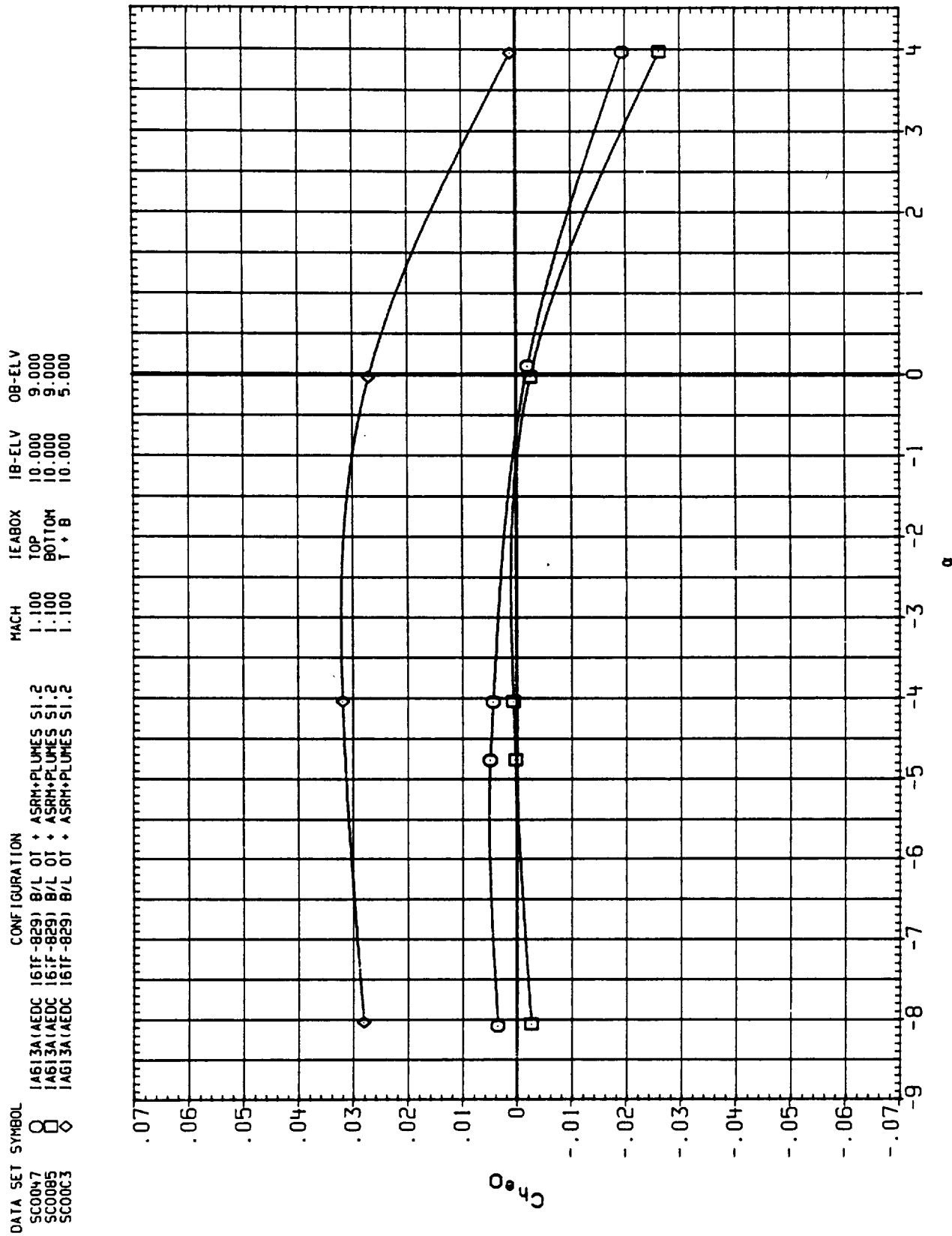


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	IAB13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	IAB13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IAB13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	T + B	10.000	5.000

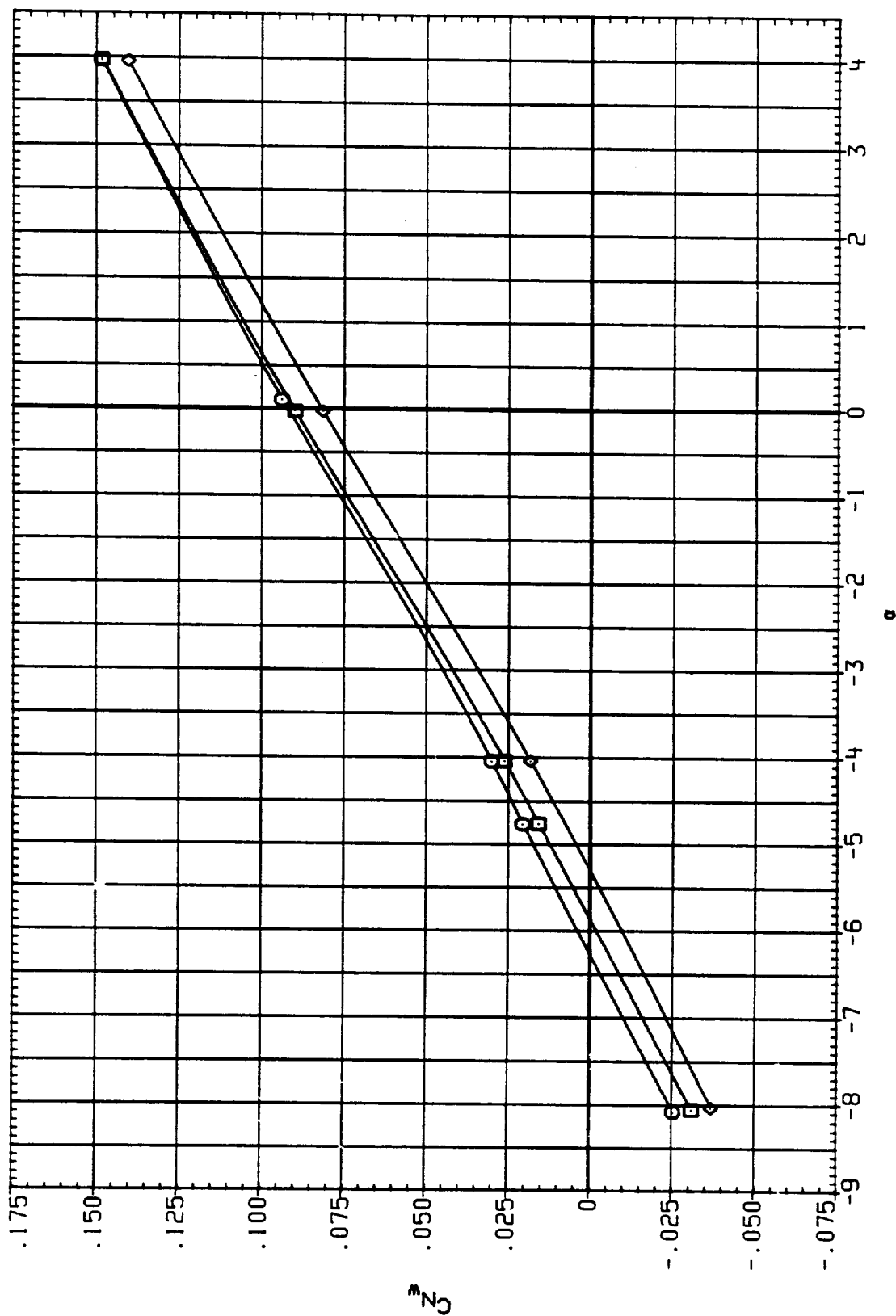


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(1) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	○	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	□	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	T + B	10.000	5.000

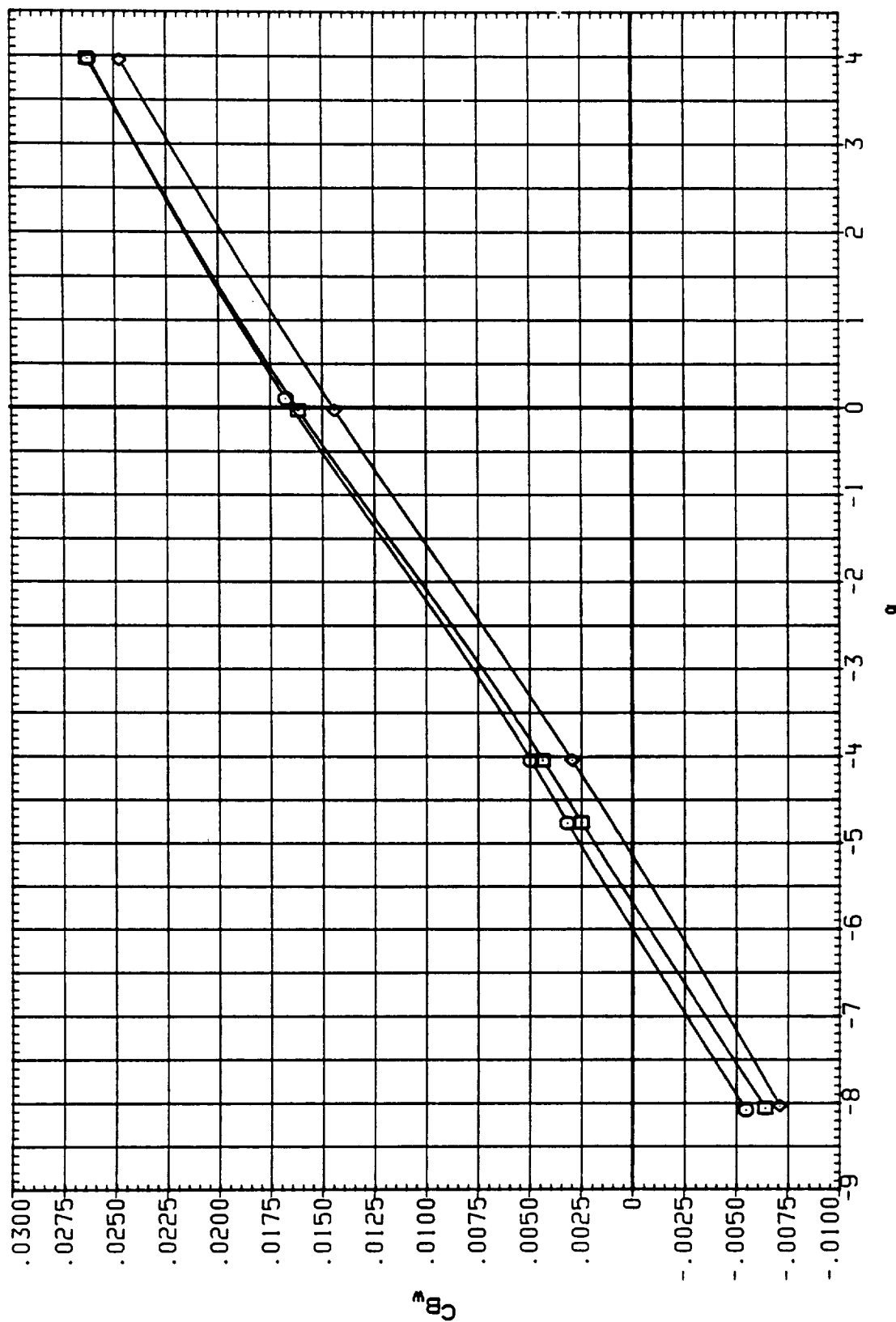


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	TOP	10.000	9.000
SC0085	IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	1 + 8	10.000	5.000

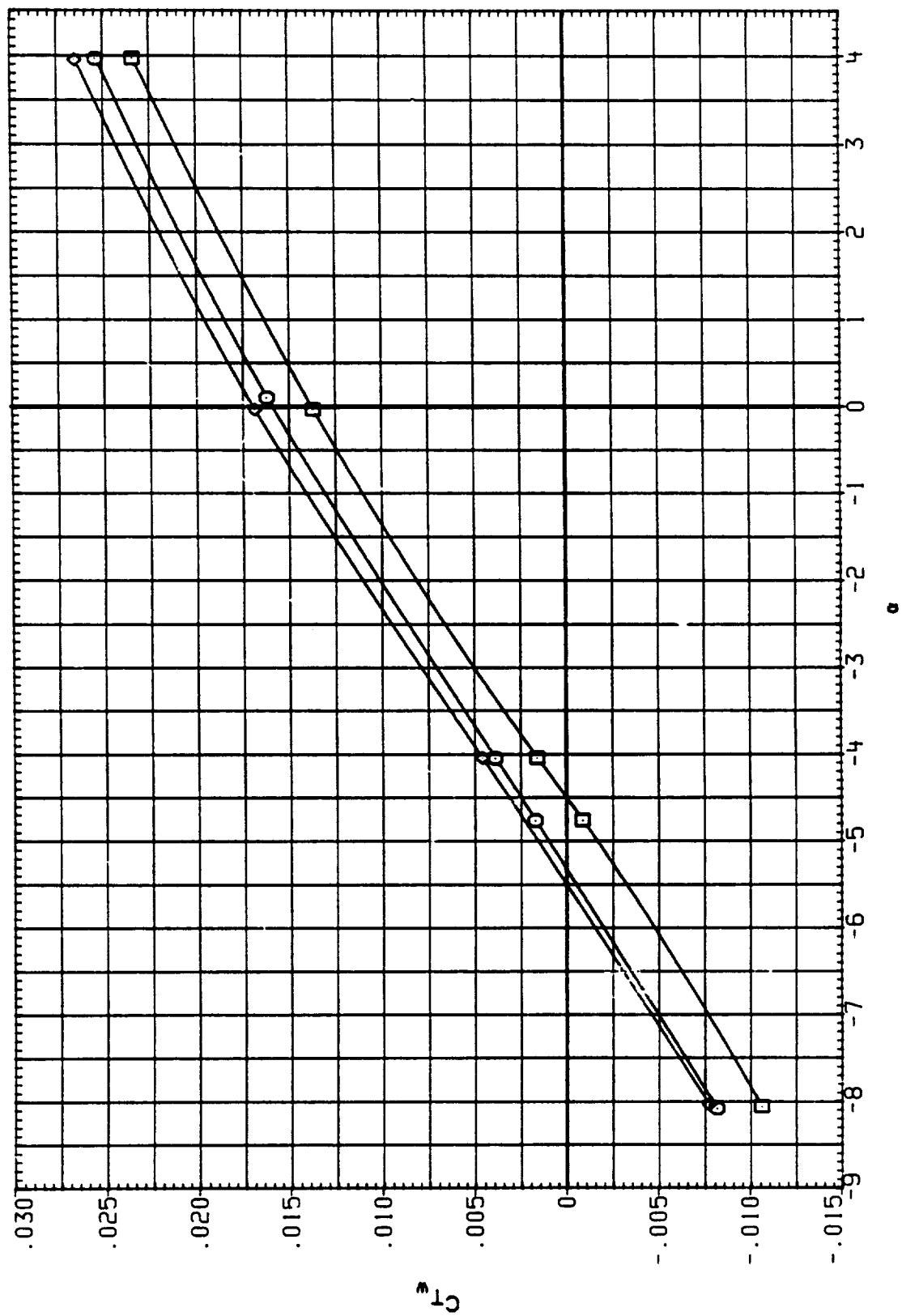


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0048	○	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0086	◇	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC00C4	◇	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	T + B	10.000	5.000

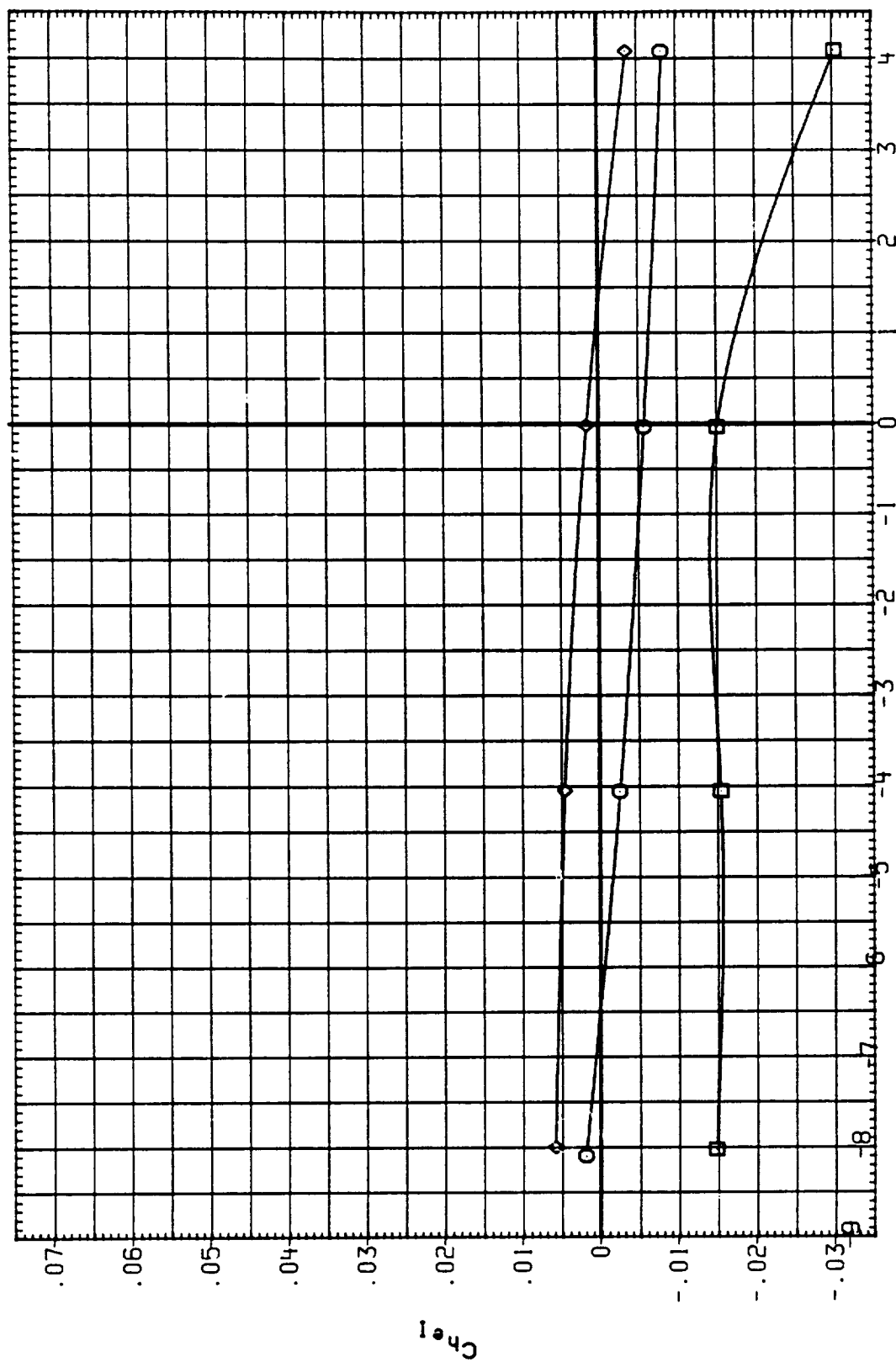


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC00048	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC00086	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC000C4	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	7 + 8	10.000	5.000

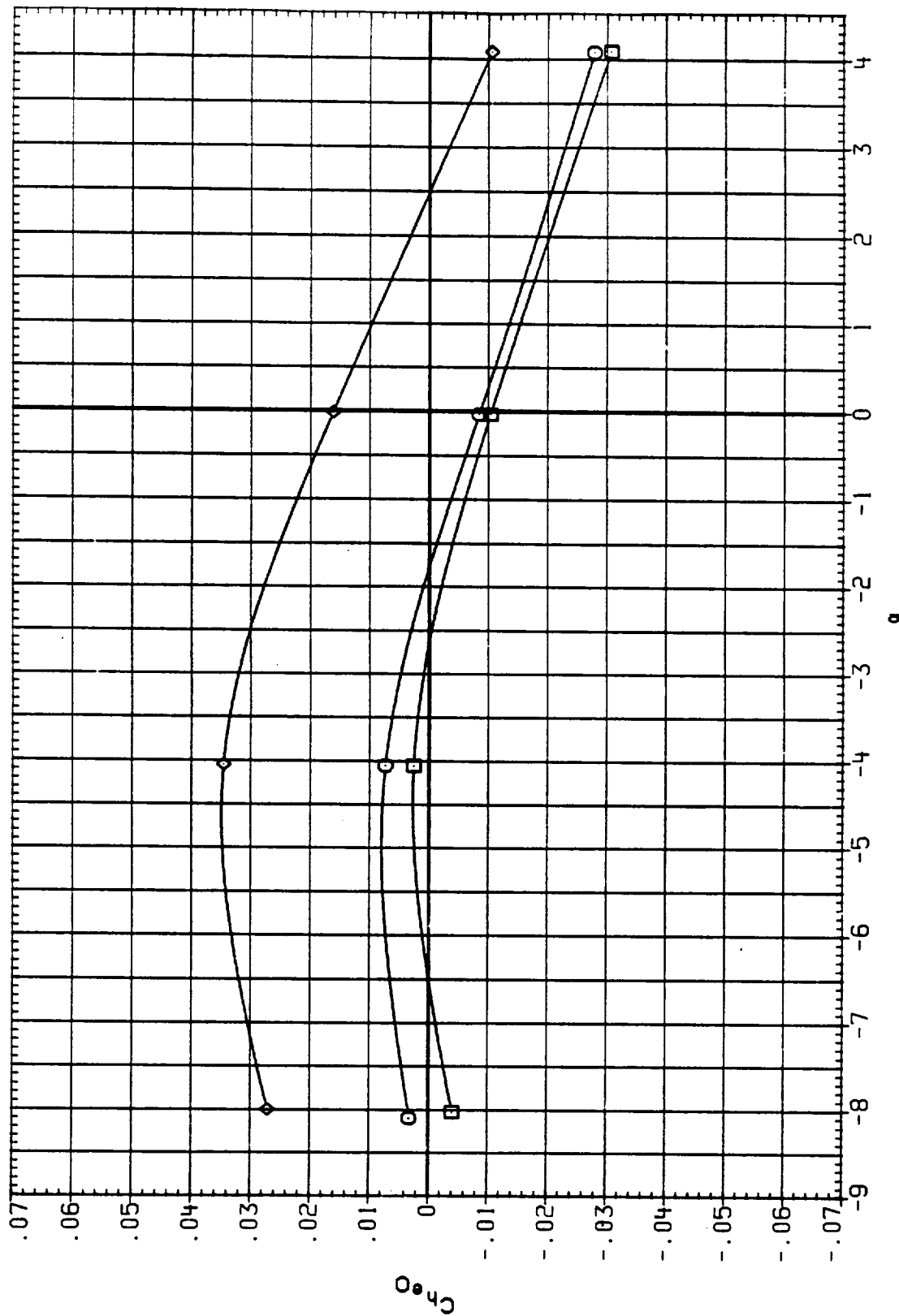


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0048	○	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0086	□	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC0004	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	T + B	10.000	5.000

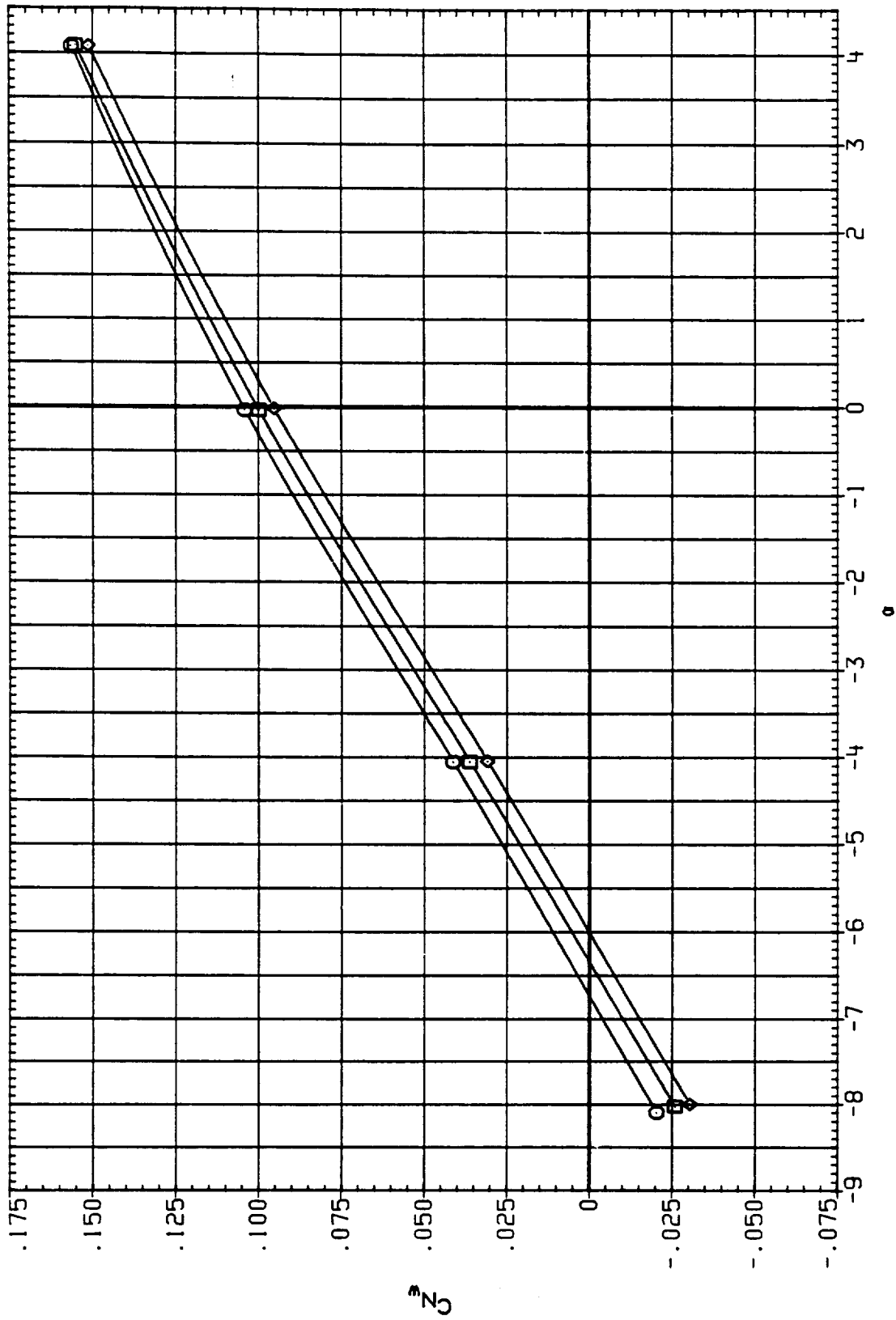


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0048	○	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0086	□	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC00C4	◇	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	T + B	10.000	5.000

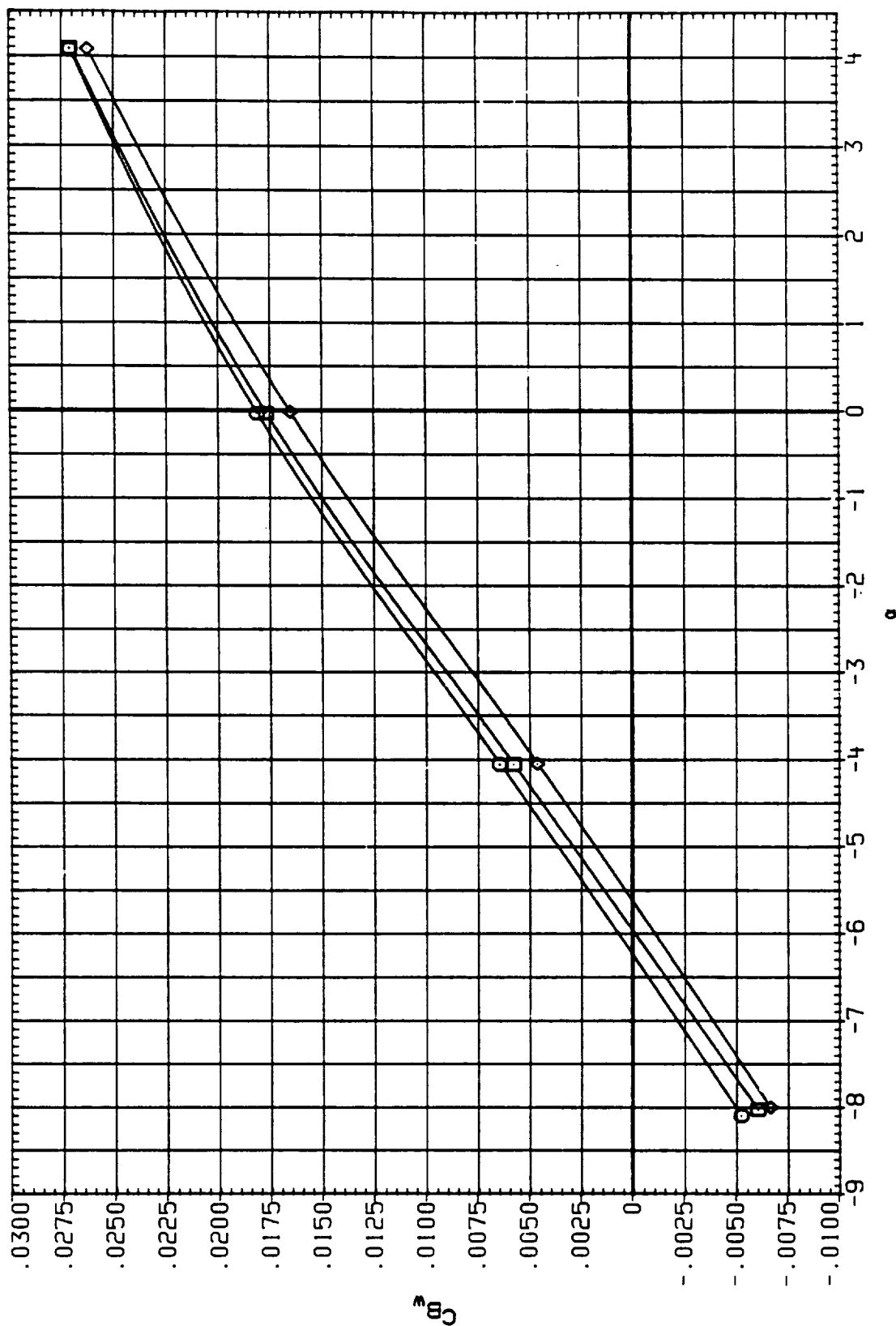


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0048	□	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0085	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC00C4	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	T + B	10.000	5.000

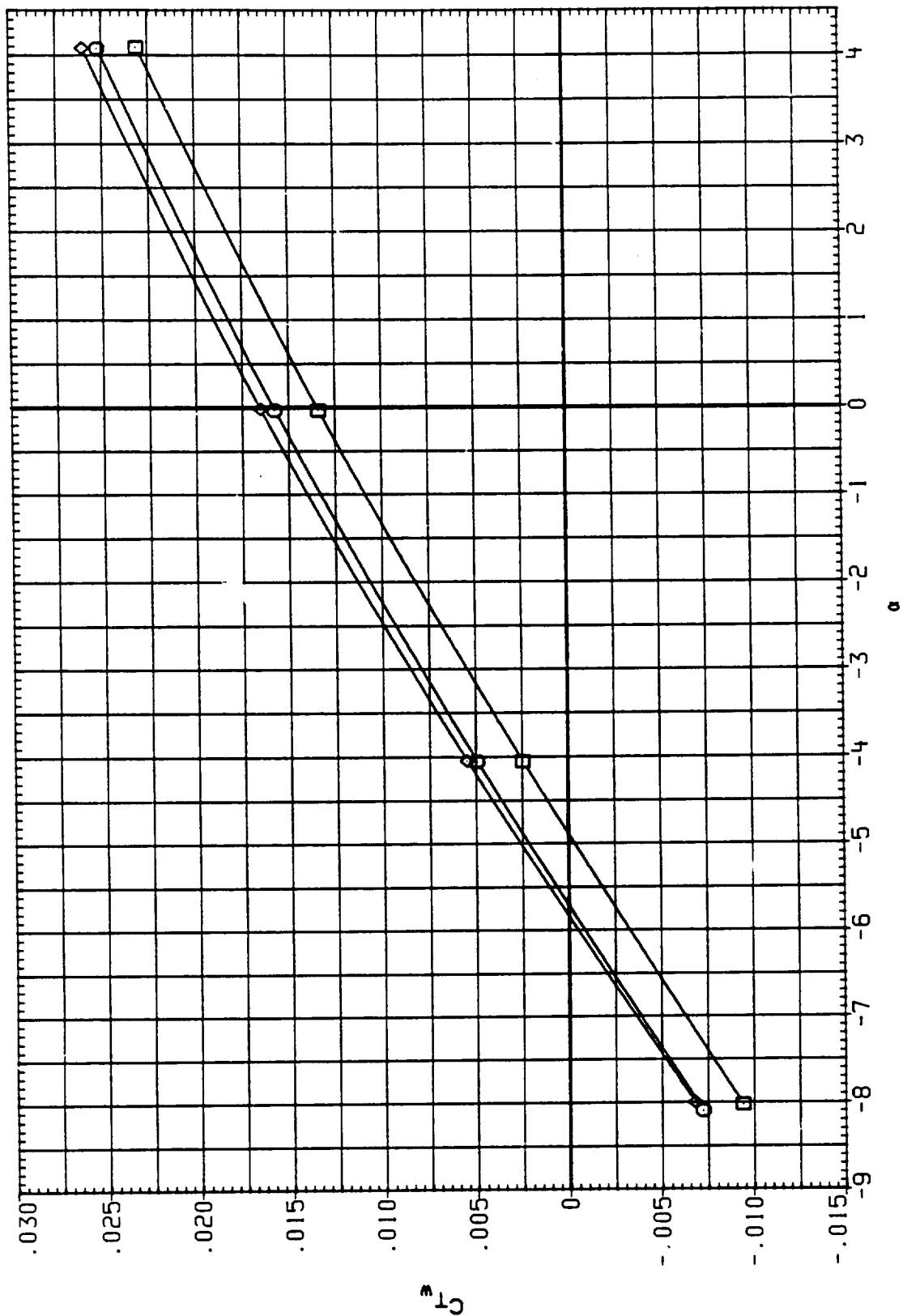


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	T + B	10.000	5.000
SC00C6	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.250	T + B	10.000	5.000

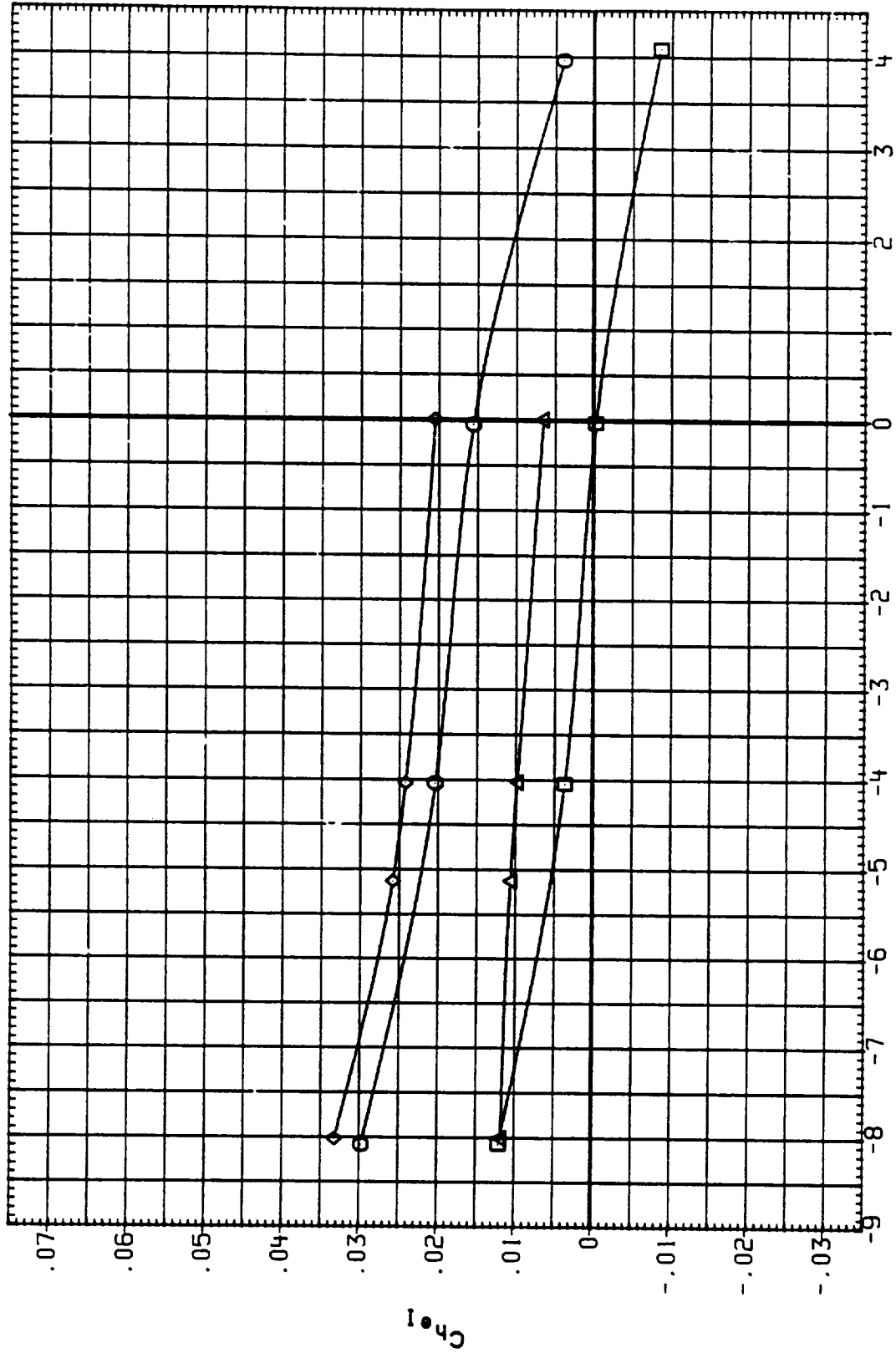


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0049	□	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	○	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	T + B	10.000	5.000
SC00C6	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.250	T + B	10.000	5.000

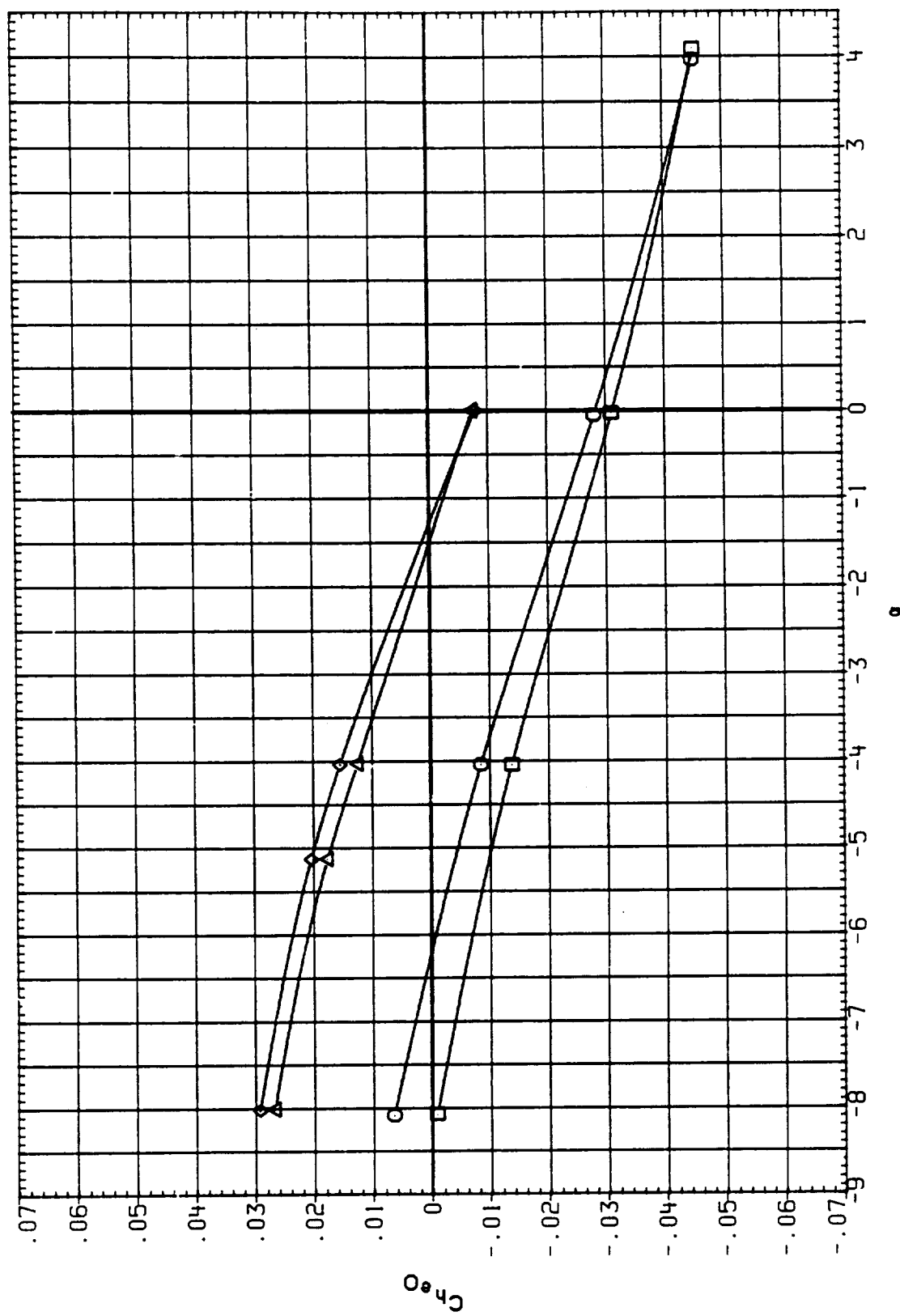


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.250	1 + B	10.000	5.000
SC00C6	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.250	1 + B	10.000	5.000

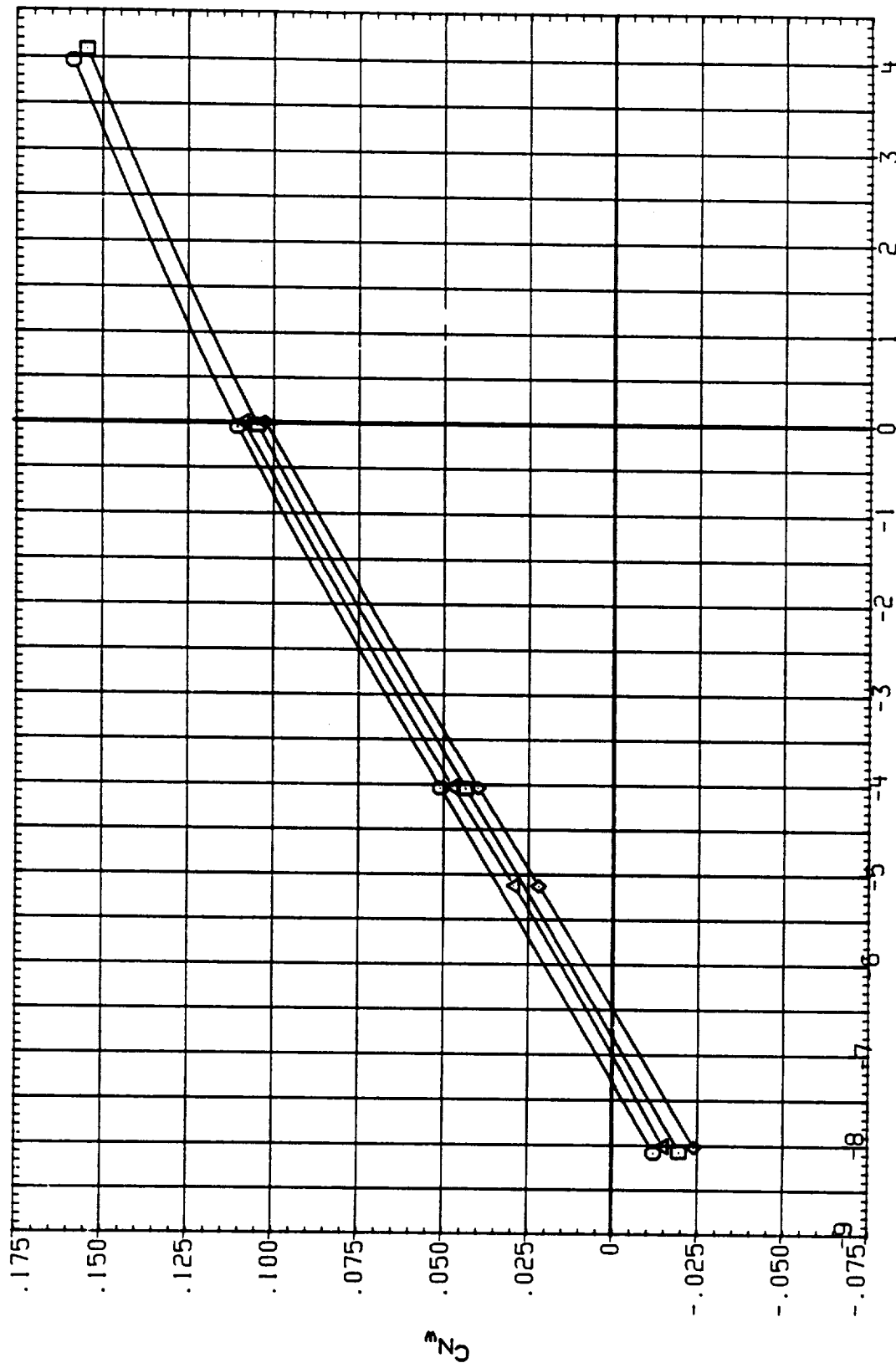


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	○	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	□	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	1 + B	10.000	5.000
SC00C6	△	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.250	1 + B	10.000	5.000

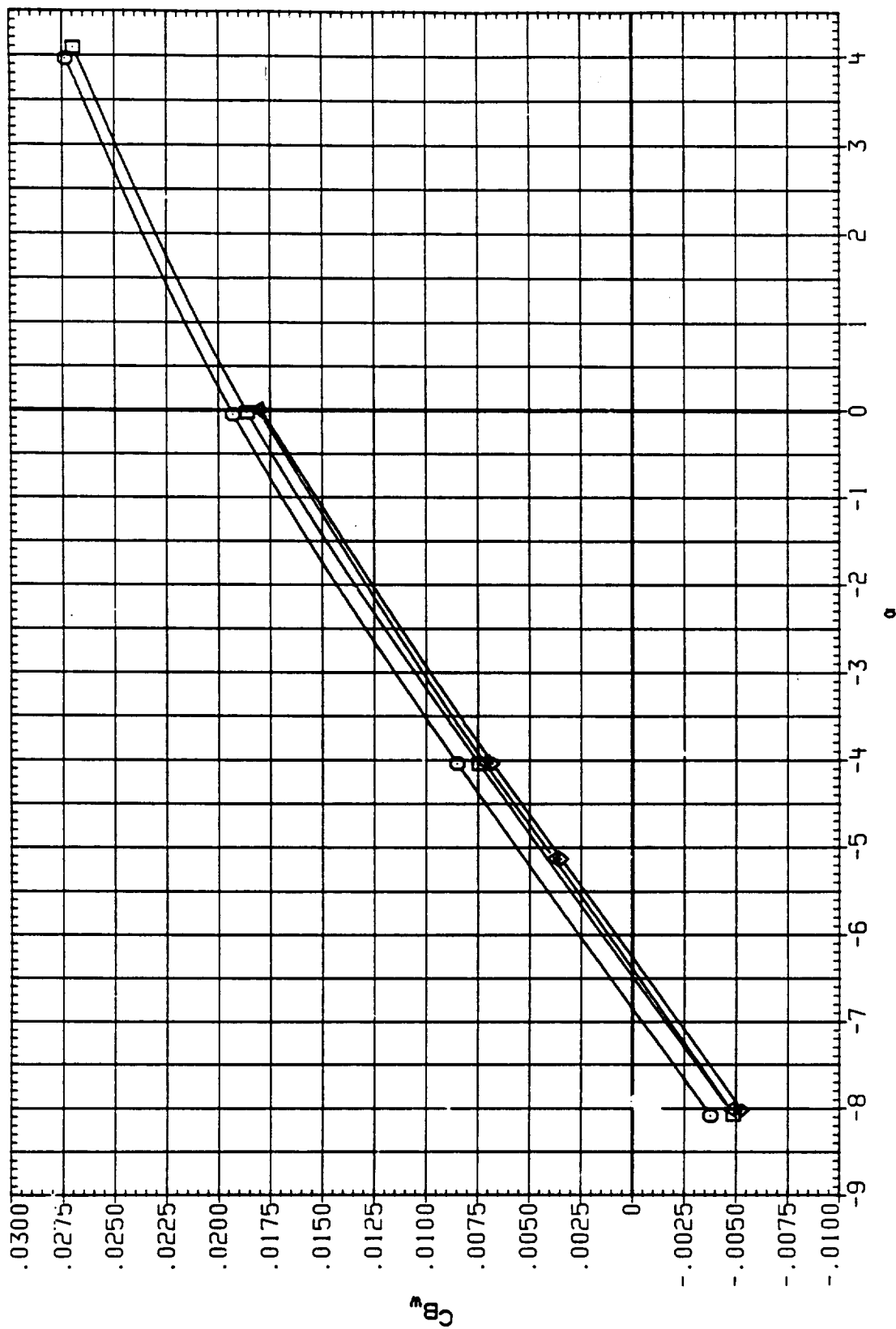


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0049	□	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	□	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC0065	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.250	1 + 8	10.000	5.000
SC0066	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.250	1 + 8	10.000	5.000

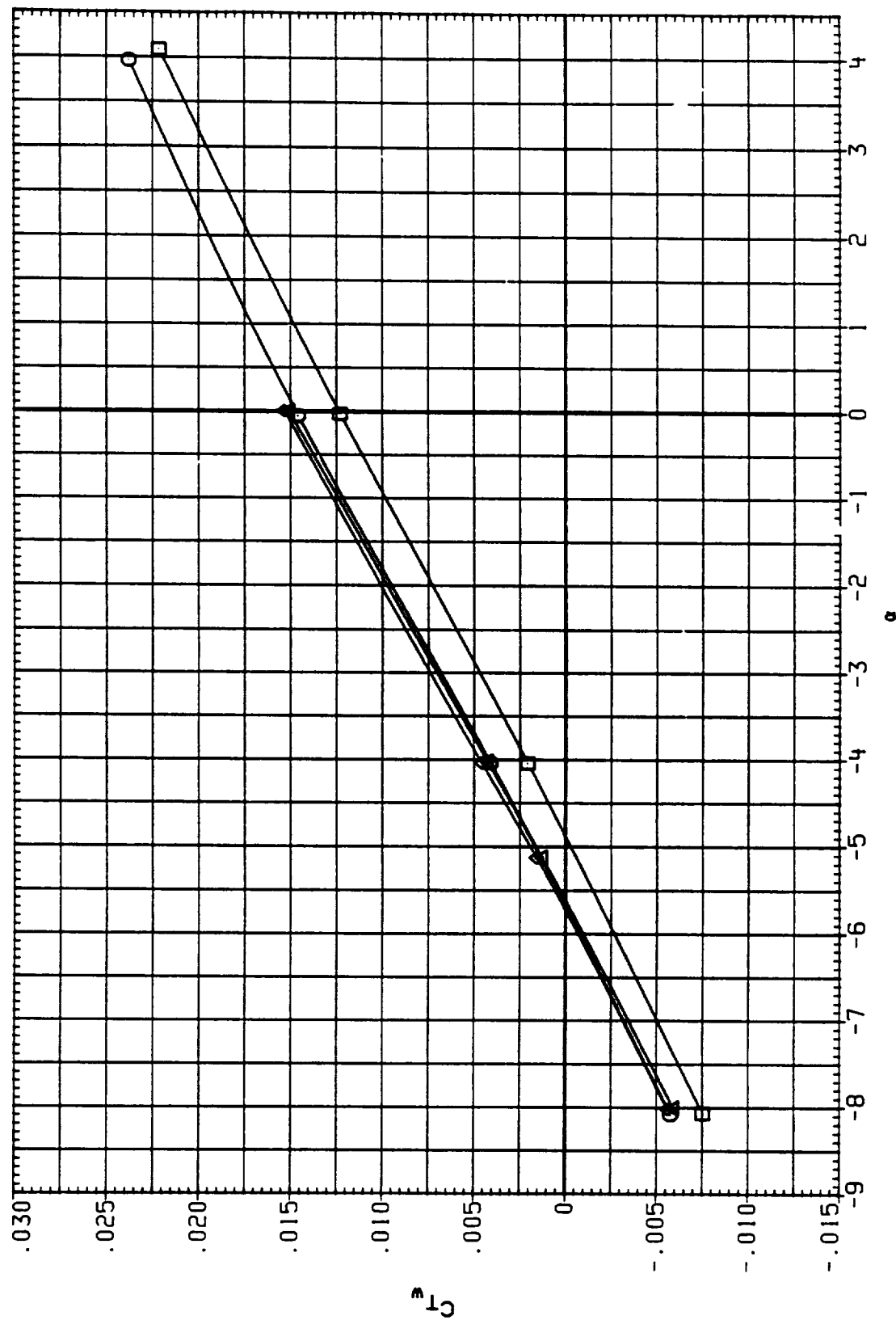


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0054	□	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	○	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	T + B	10.000	5.000

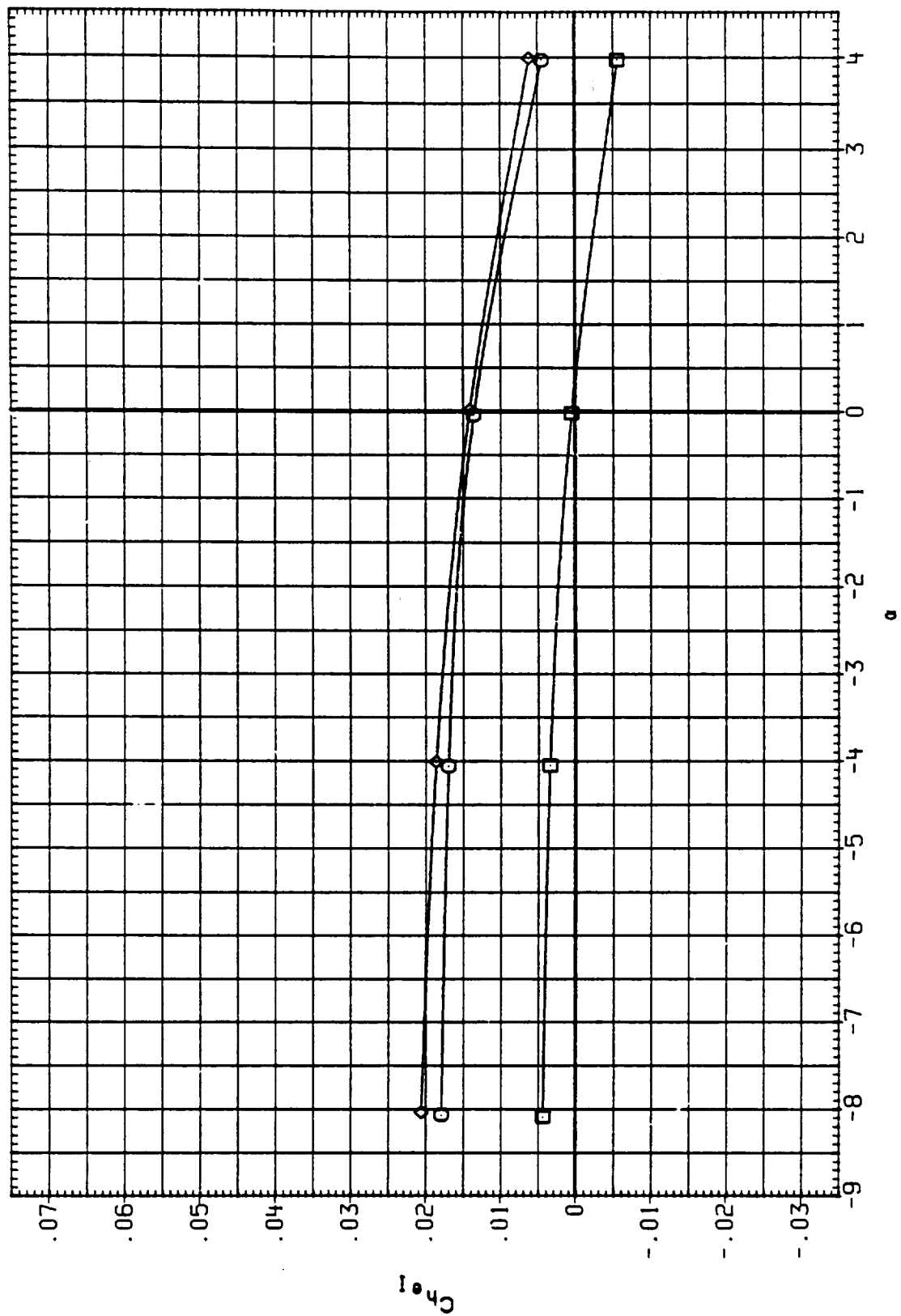


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0054	○	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	□	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	◇	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	T + B	10.000	5.000

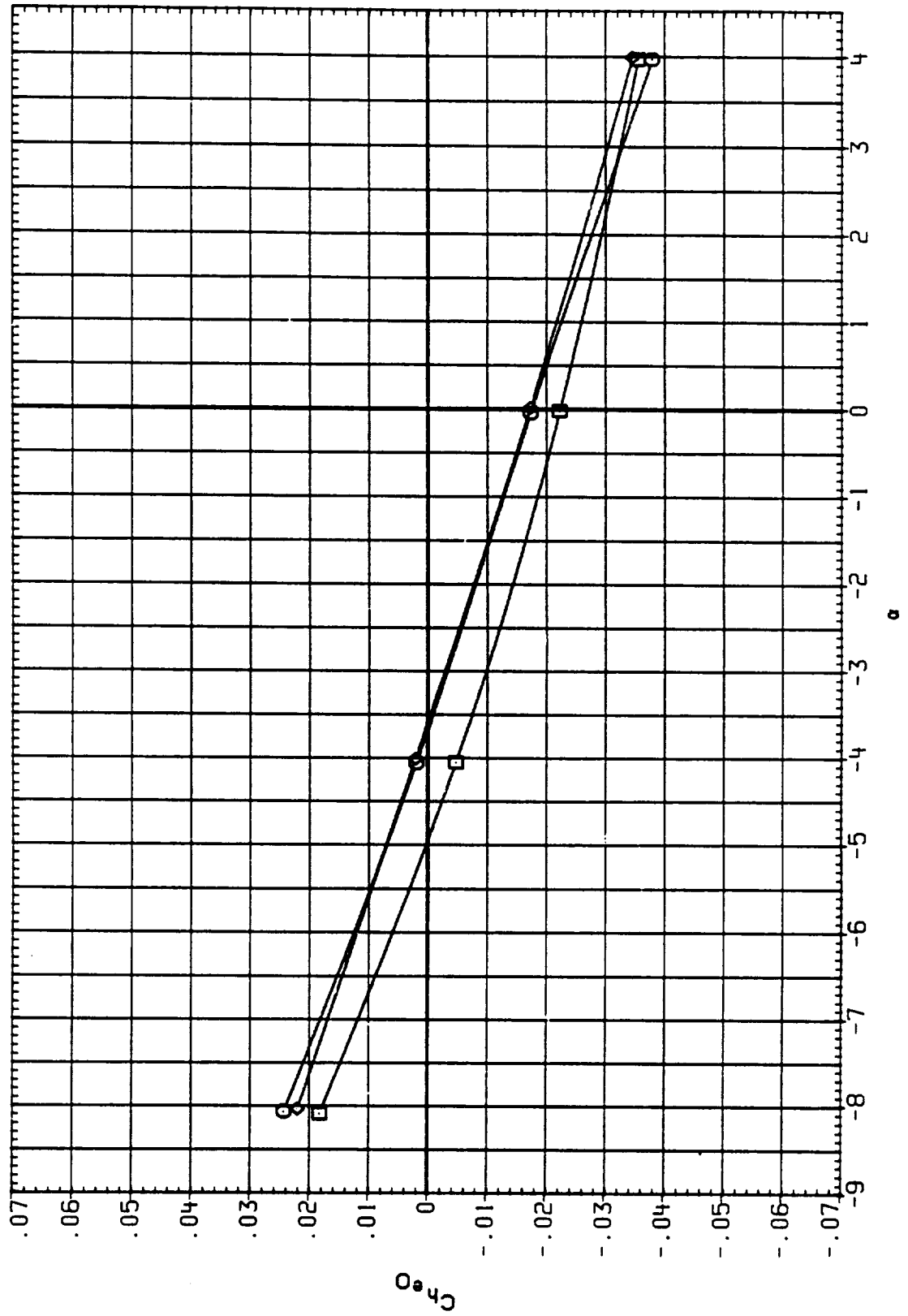


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET		SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0054	□	IA613A(AEDC 16TF-829)	B/L OT	ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000					
SC0089	◇	IA613A(AEDC 16TF-829)	B/L OT	ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000					
SC00C7	◇	IA613A(AEDC 16TF-829)	B/L OT	ASRM+PLUMES S1.3	1.300	T + B	10.000	5.000					

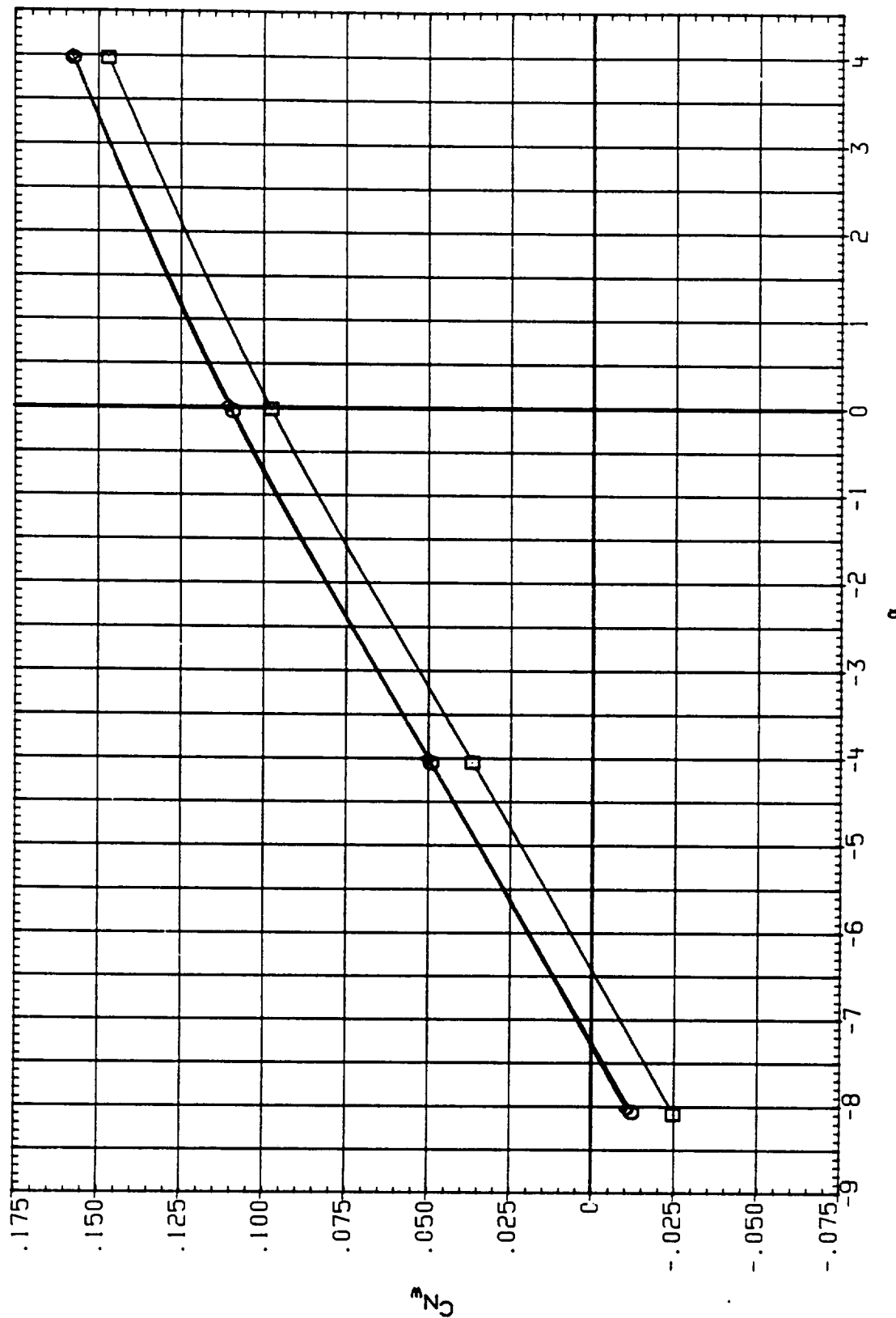


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0054	○	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	□	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	◇	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	7 + 8	10.000	5.000

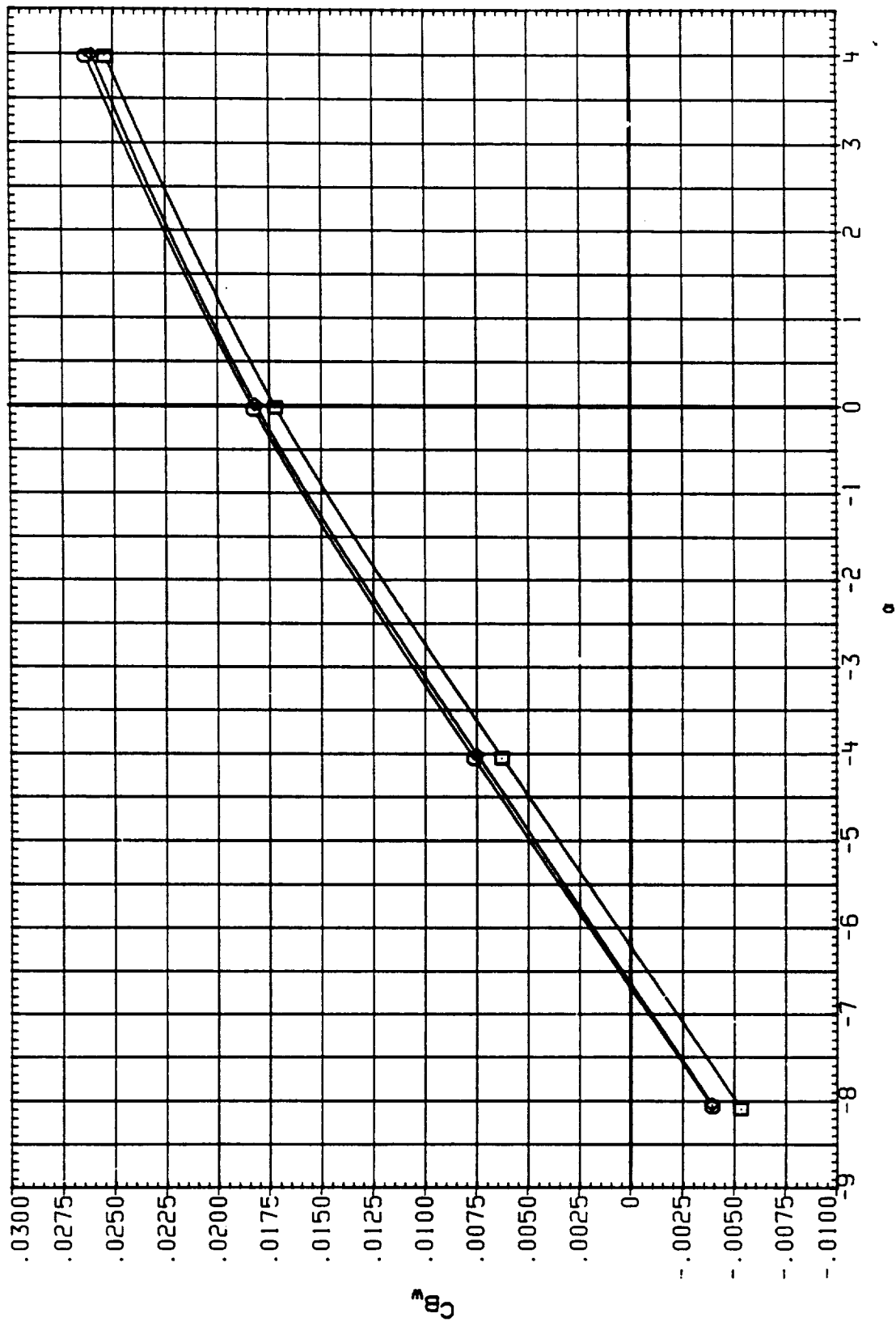


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0054	□	IA613A1AEDC 16TF-8291 B/L OT + ASRH+PLUMES SI.3	1.300	TOP	10.000	5.000
SC0089	◇	IA613A1AEDC 16TF-8291 B/L OT + ASRH+PLUMES SI.3	1.300	BOTTOM	10.000	5.000
SC00C7	◇	IA613A1AEDC 16TF-8291 B/L OT + ASRH+PLUMES SI.3	1.300	T + B	10.000	5.000

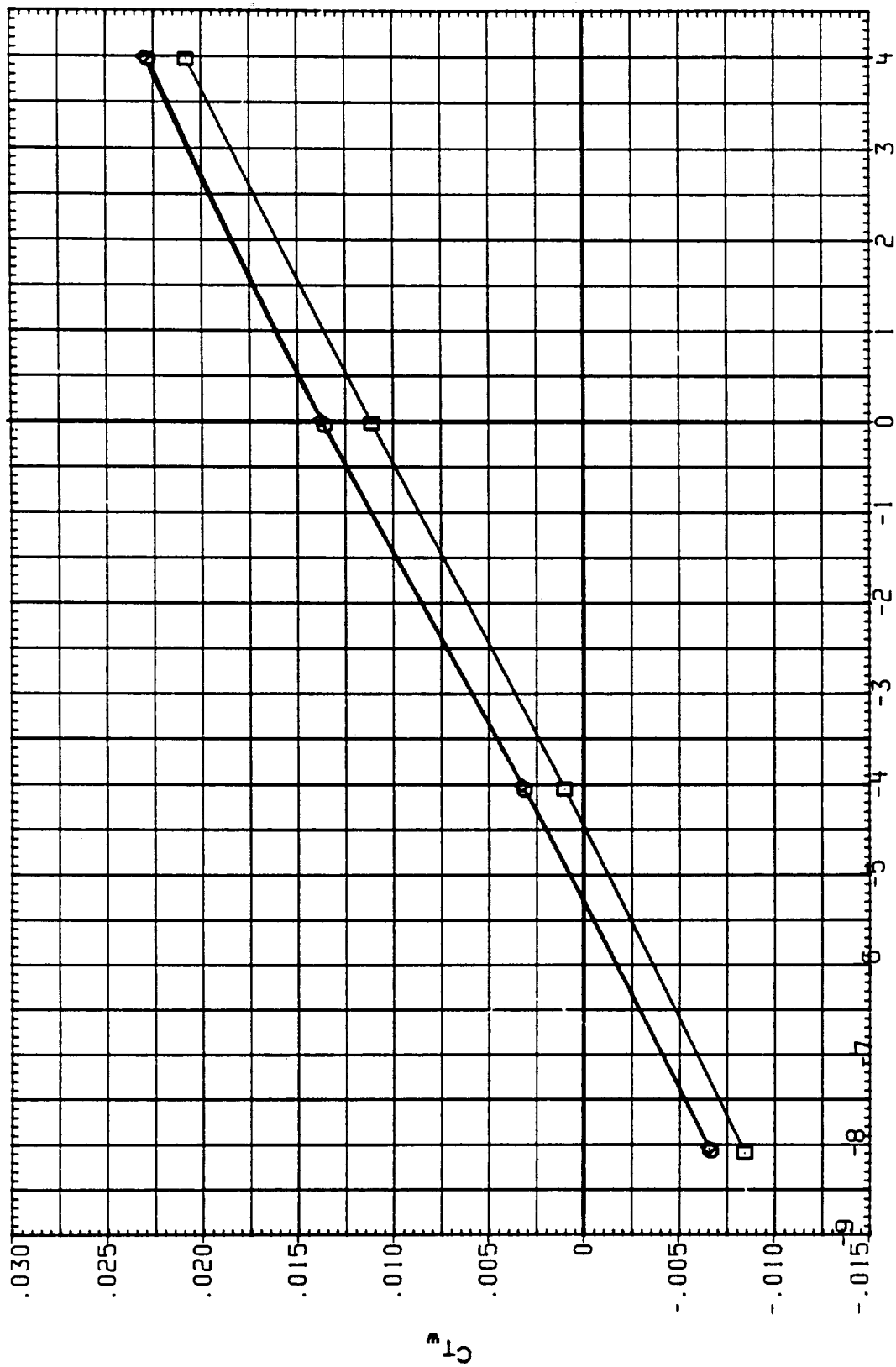


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0055
SC0090
SC00C8

CONFIGURATION

IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3

MAJOR

1.350
1.350
1.350

LEADER

TOP
BOTTOM
T + B

REPEAT

10.000
10.000
10.000

REPEAT

5.000
5.000
5.000

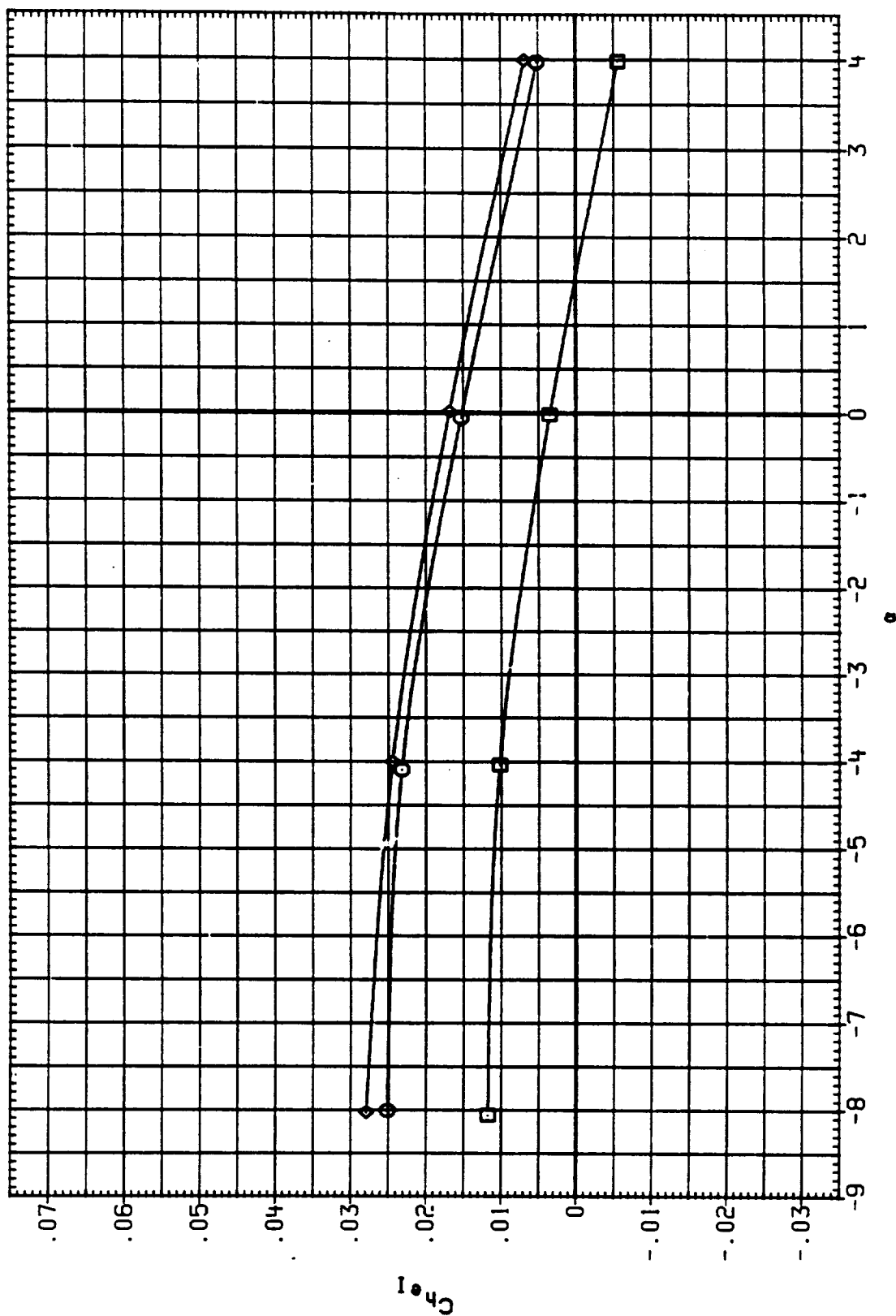


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
 IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
 IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

WING

TOP
 BOTTOM
 T + B

10.000
 10.000
 10.000

5.000
 5.000
 5.000

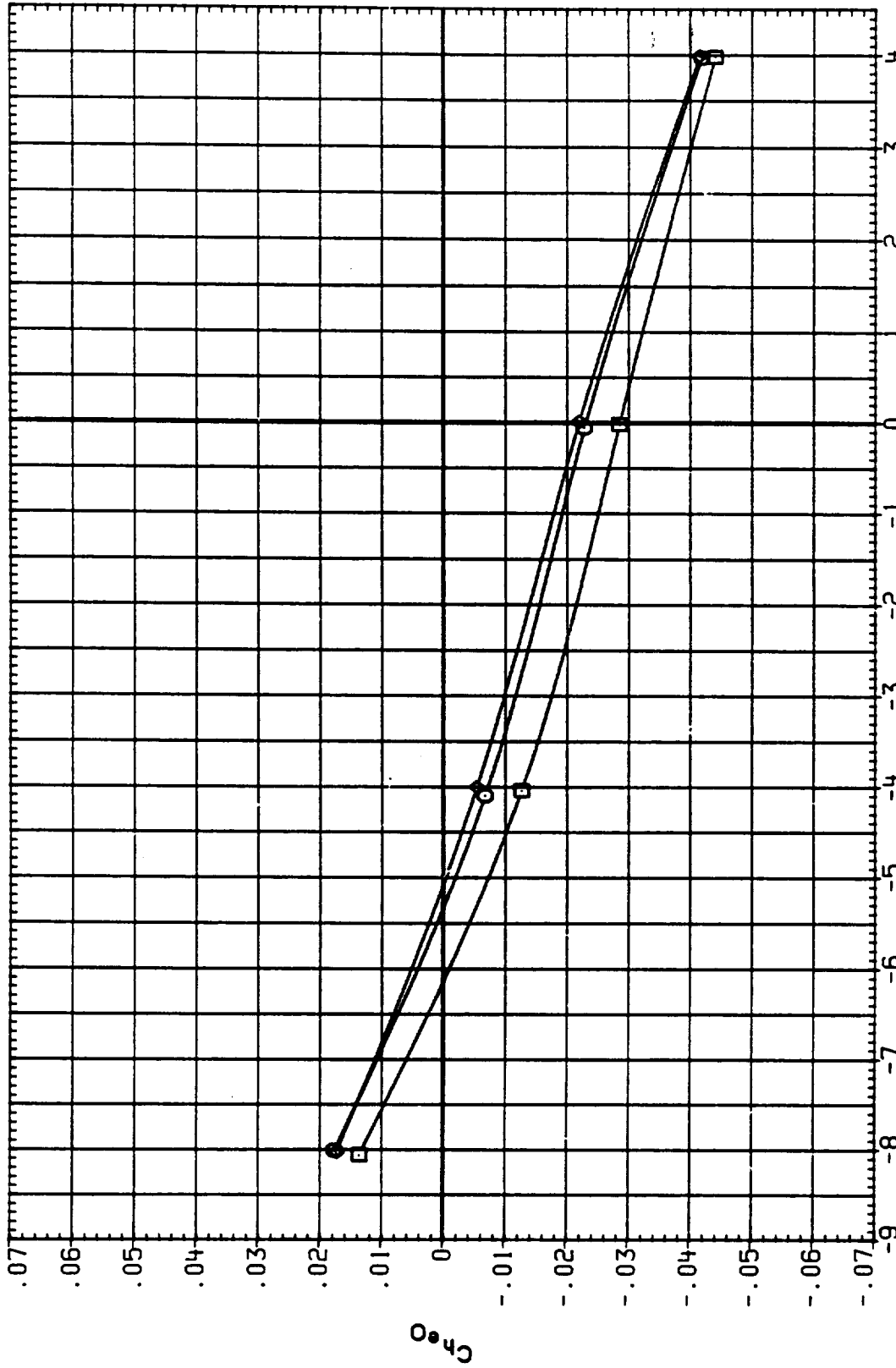


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

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C-4

DATA SET SYMBOL

SC0055
SC0090
SC00C8

COMPARISON

IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3

WING

1.350
1.350
1.350

WING

10.000
10.000
10.000

WING

5.000
5.000
5.000

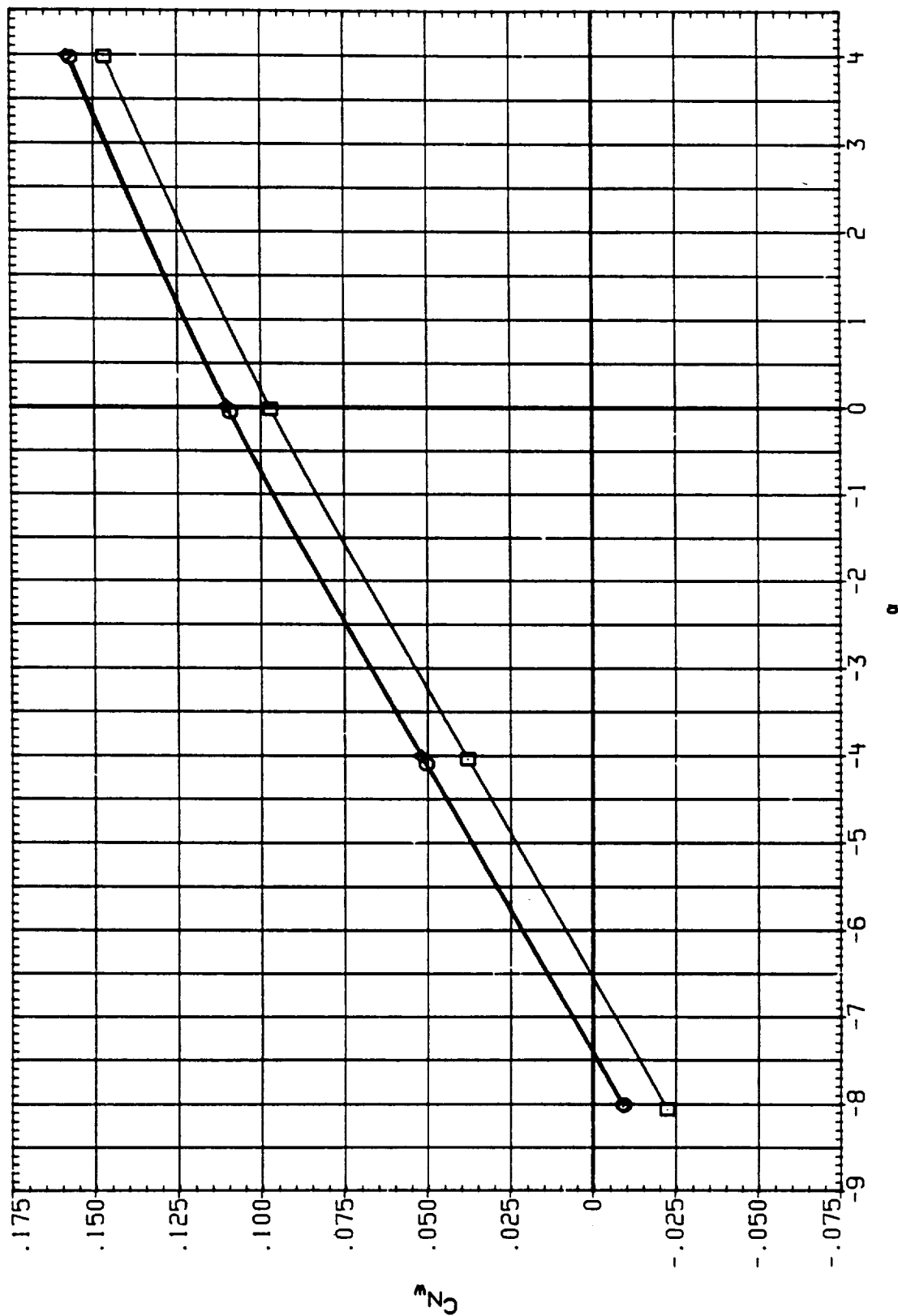


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

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10-10-1961 QUALITY

DATA SET SYMBOL IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 10P 10.000 5.000
 SC0055 O IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 10P 10.000 5.000
 SC0090 □ IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 10P 10.000 5.000
 SC00C8 ◇ IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 10P 10.000 5.000

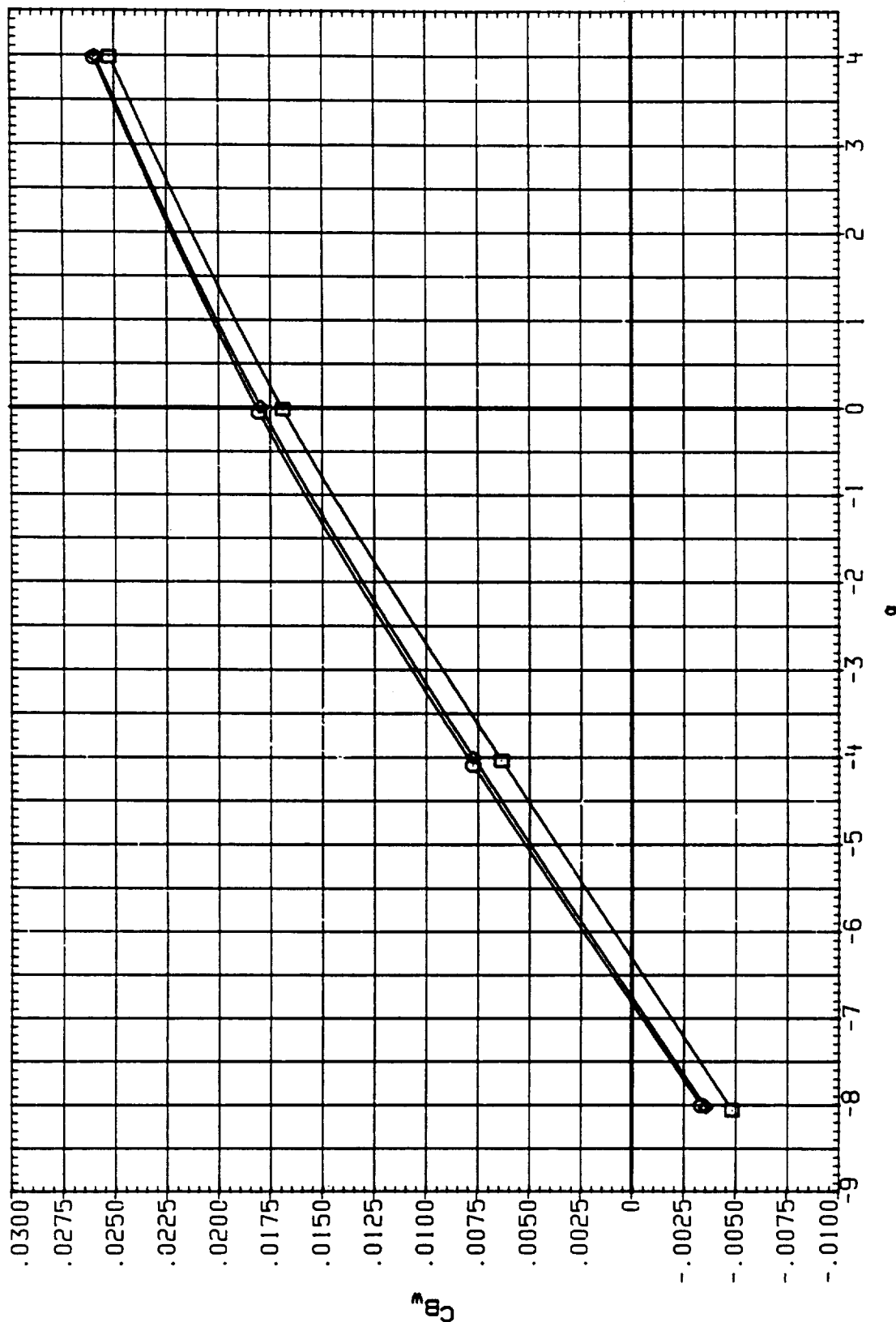


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL

CONFIGURATION

P.A.C.H.

IEA BOX

IEA BOX

SC0055 IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
 SC0090 IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
 SC0008 IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

1.350 TOP
 1.350 BOTTOM
 1.350 T + B

5.000
 5.000
 5.000

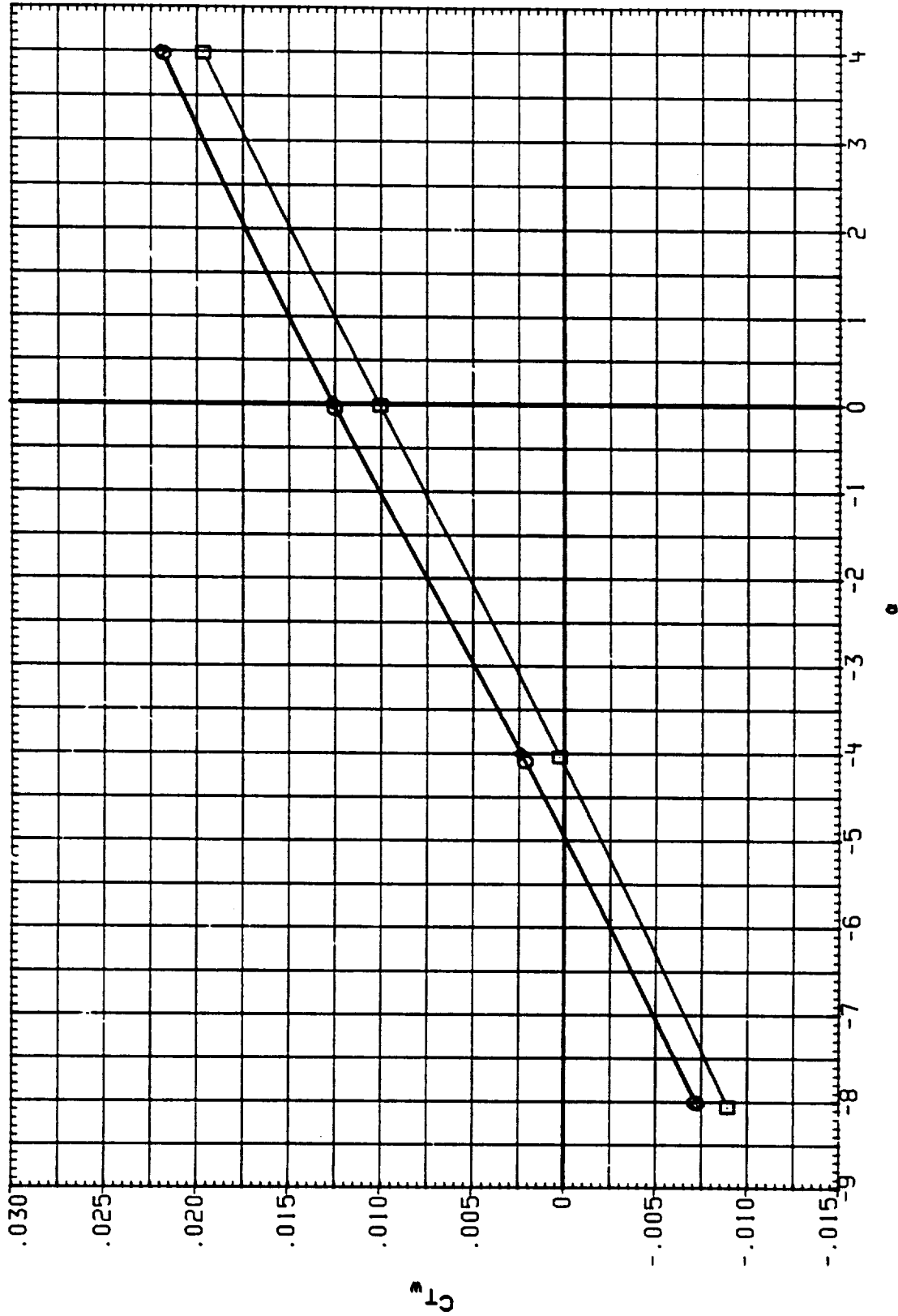


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0056	○	IAE13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0091	◇	IAE13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC00C9	□	IAE13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	T + B	10.000	5.000

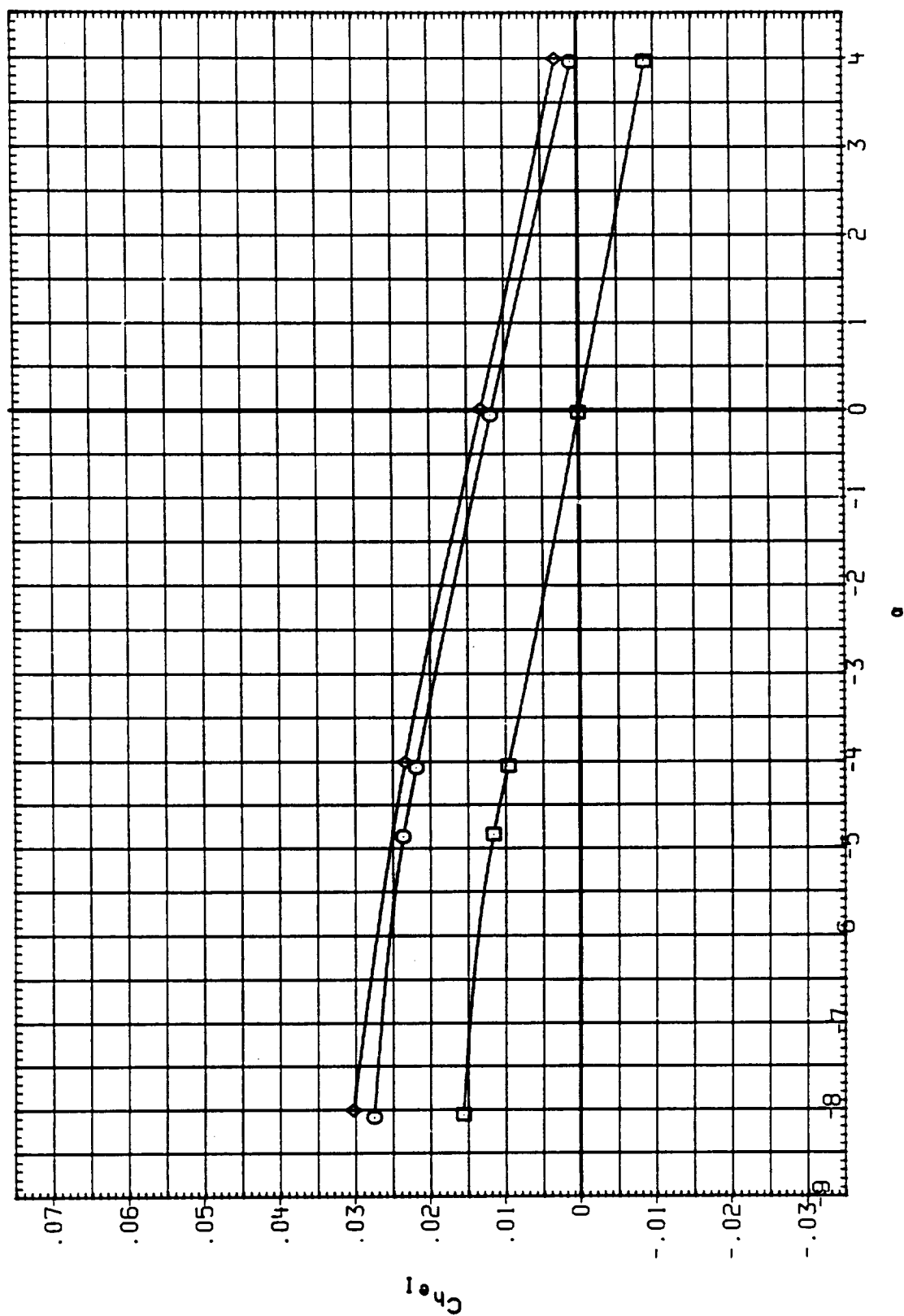


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	WING	WING	WING
SC0056	○	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.400	TOP	5.000
SC0091	◇	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.400	BOTTOM	5.000
SC0069	◇	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.400	1 + 8	10.000

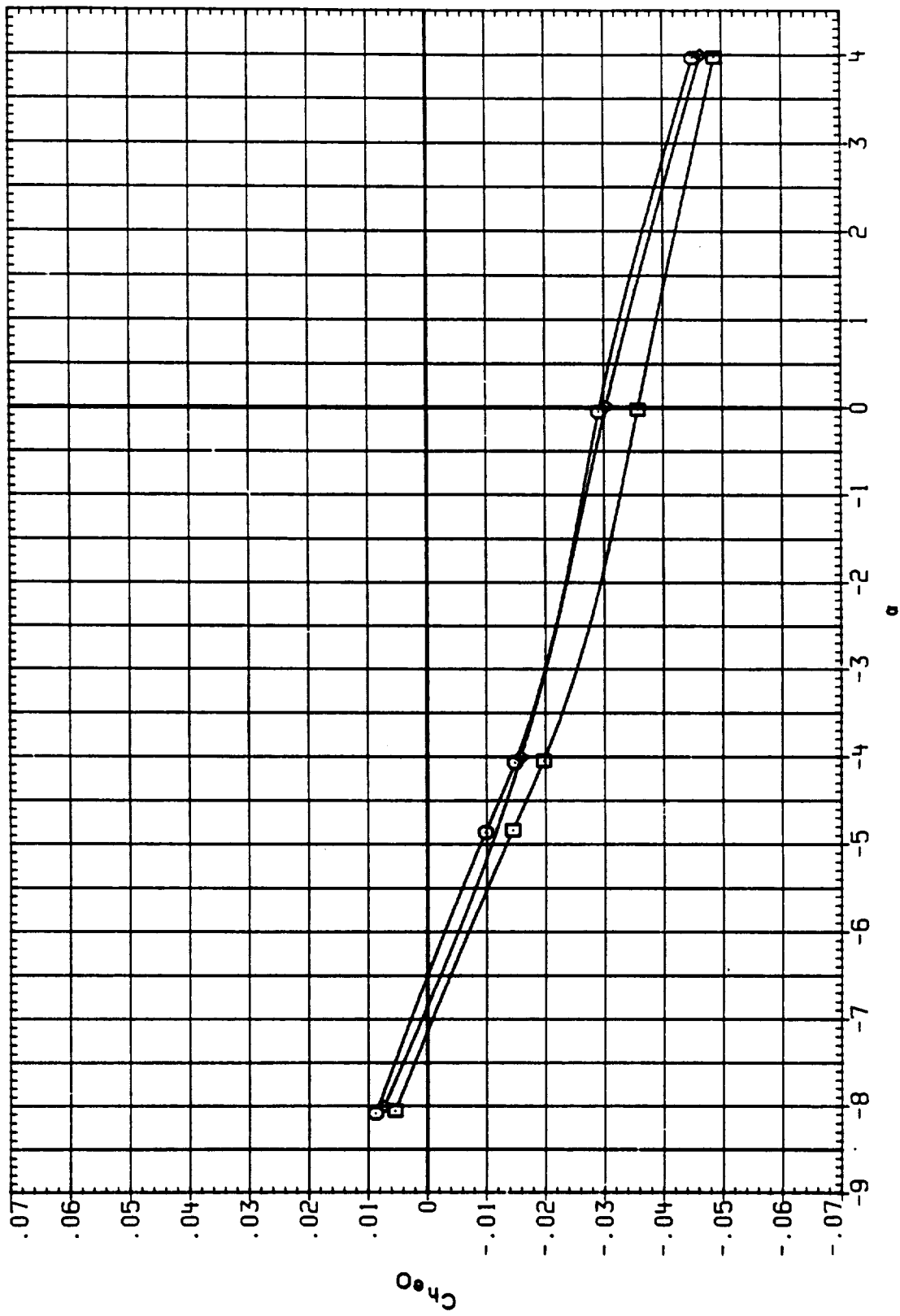


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS
(A) BETA = .00

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DATA SET SYMBOL		CONFIGURATION		MACH		IEA BOX		IB-ELV		OB-ELV	
SC0056	SC0091	IA613A(AEDC 16TF-829)	B/L OT + ASRM+PLUMES SI.3	1.400	TOP	10.000	5.000				
SC0056	SC0091	IA613A(AEDC 16TF-829)	B/L OT + ASRM+PLUMES SI.3	1.400	BOTTOM	10.000	5.000				
SC0056	SC0091	IA613A(AEDC 16TF-829)	B/L OT + ASRM+PLUMES SI.3	1.400	T + B	10.000	5.000				

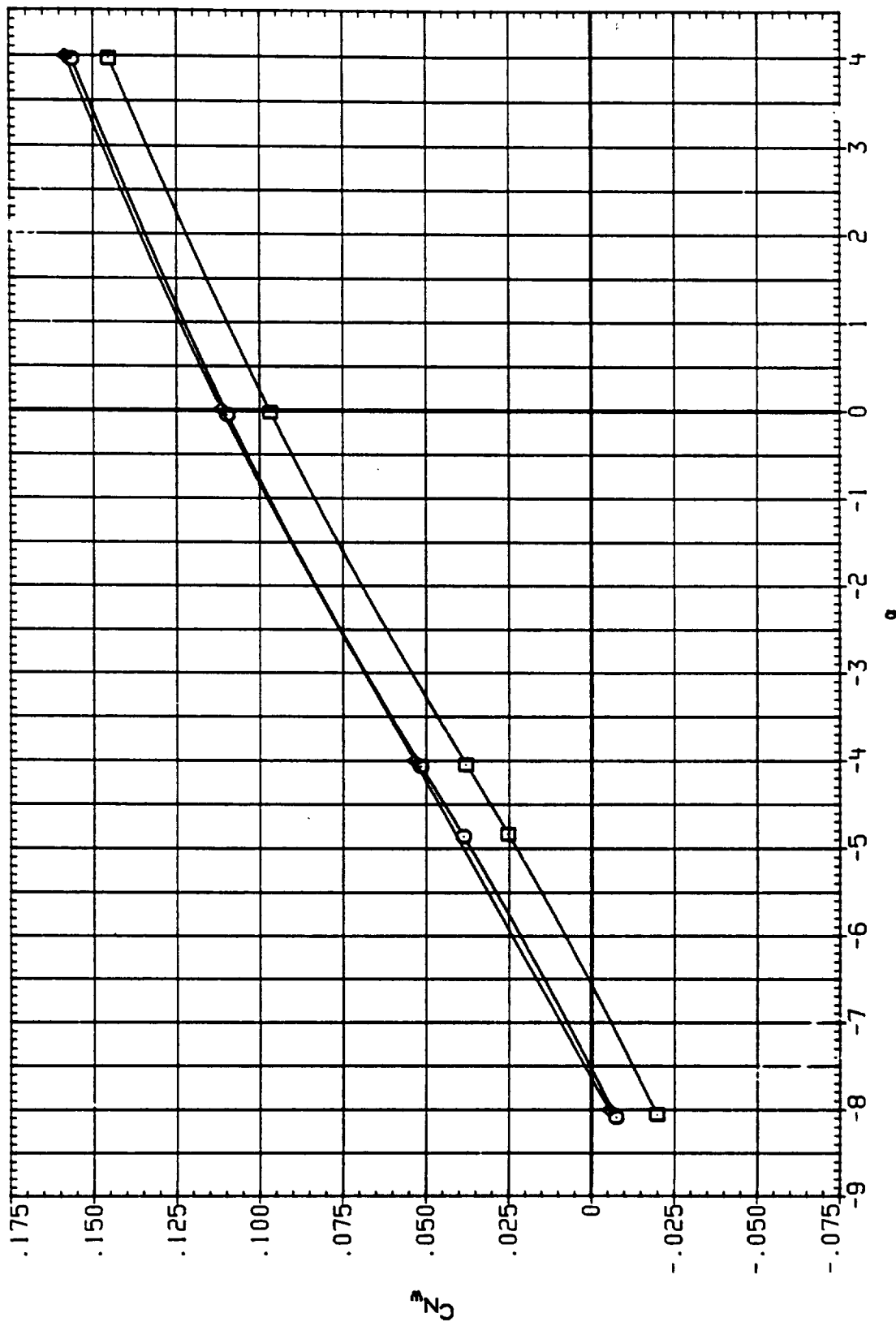


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL

SC0056
SC0091
SC00C9

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES SI.3
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES SI.3
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES SI.3

MACH

1.400
1.400
1.400

IEABOX

TOP
BOTTOM
T + B

IB ELV

10.000
10.000
10.000

IS ELV

5.000
5.000
5.000

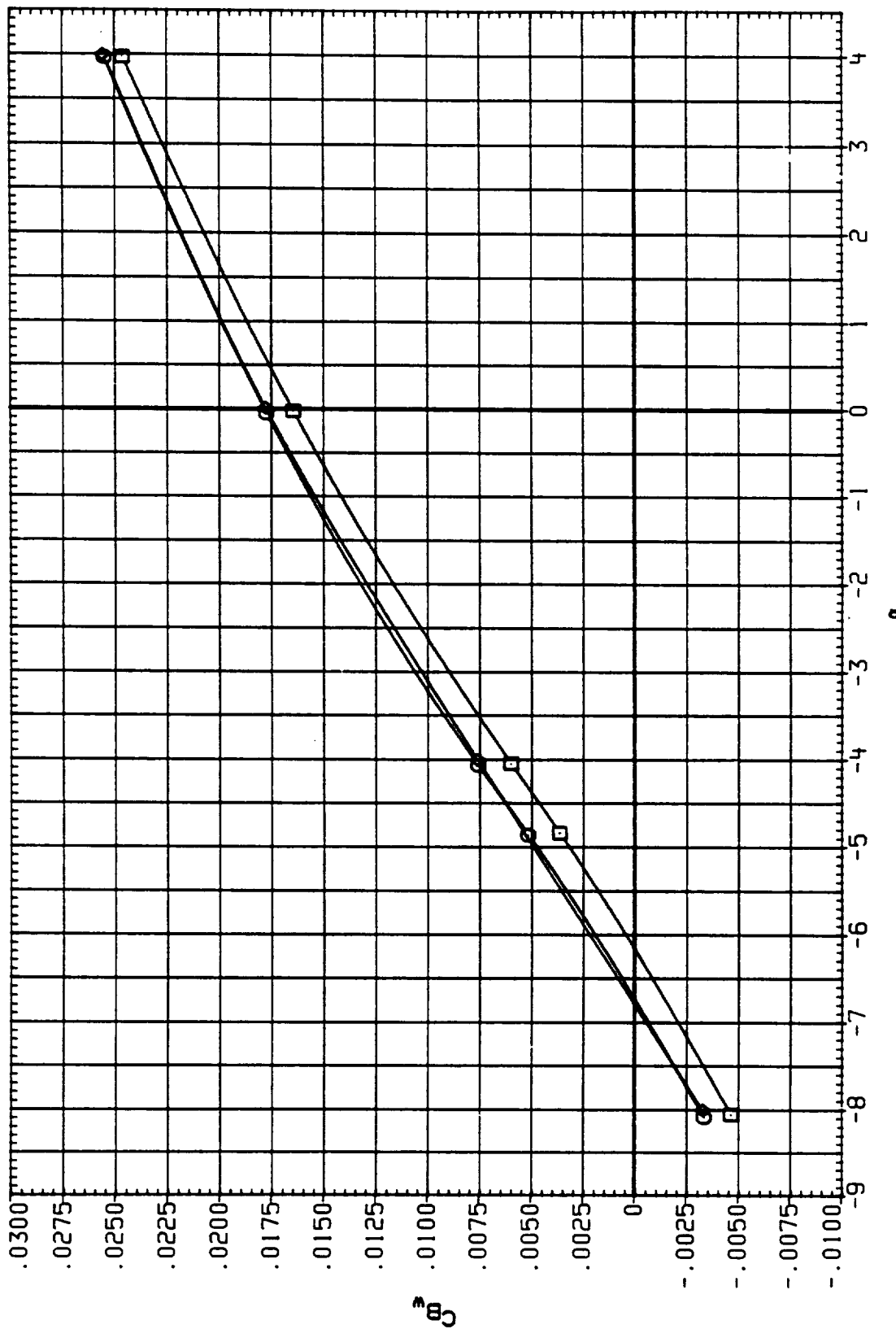


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0056	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0091	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC00C9	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	1 + B	10.000	5.000

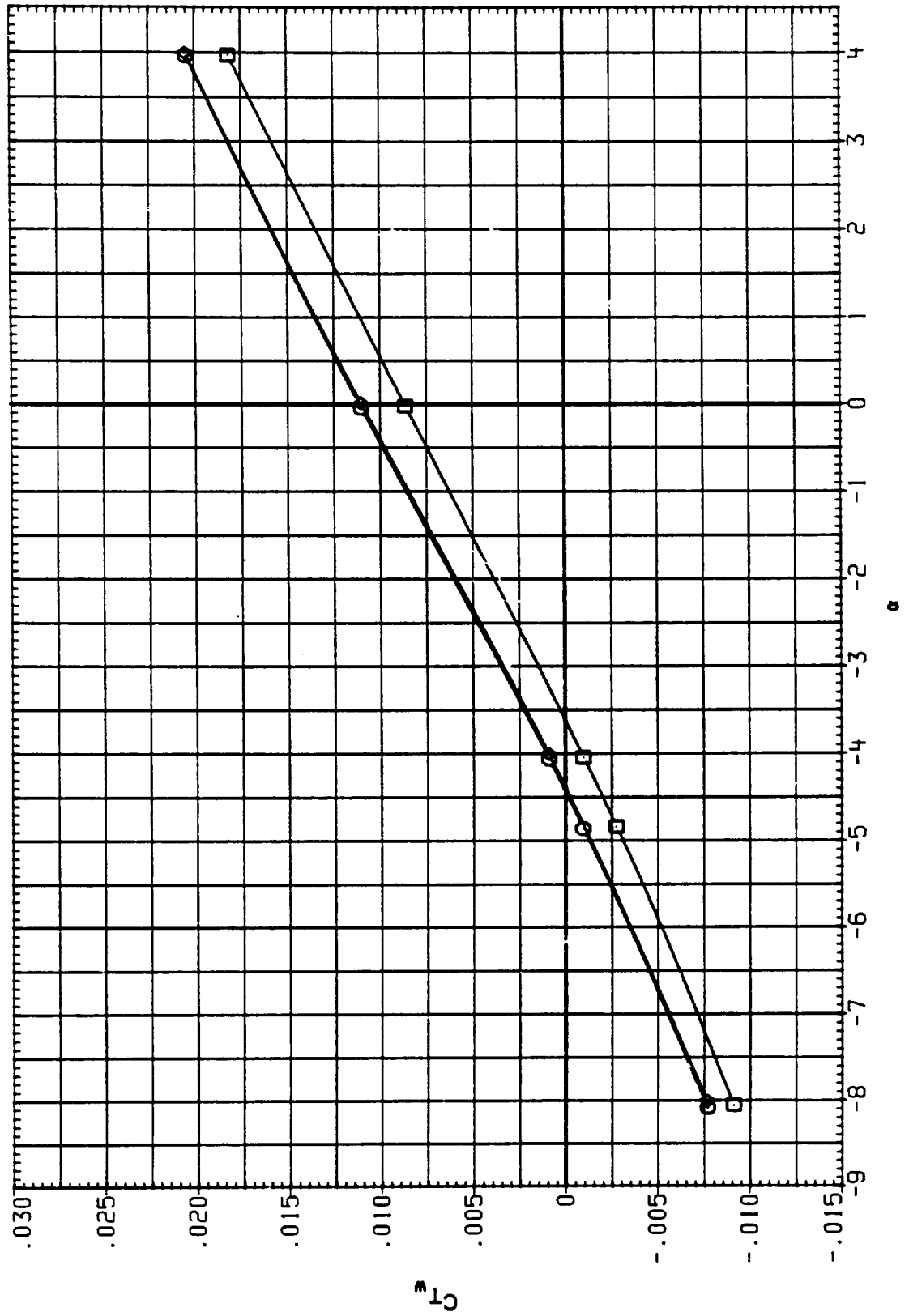


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONF IGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0057	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0092	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0000	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	T + B	10.000	5.000

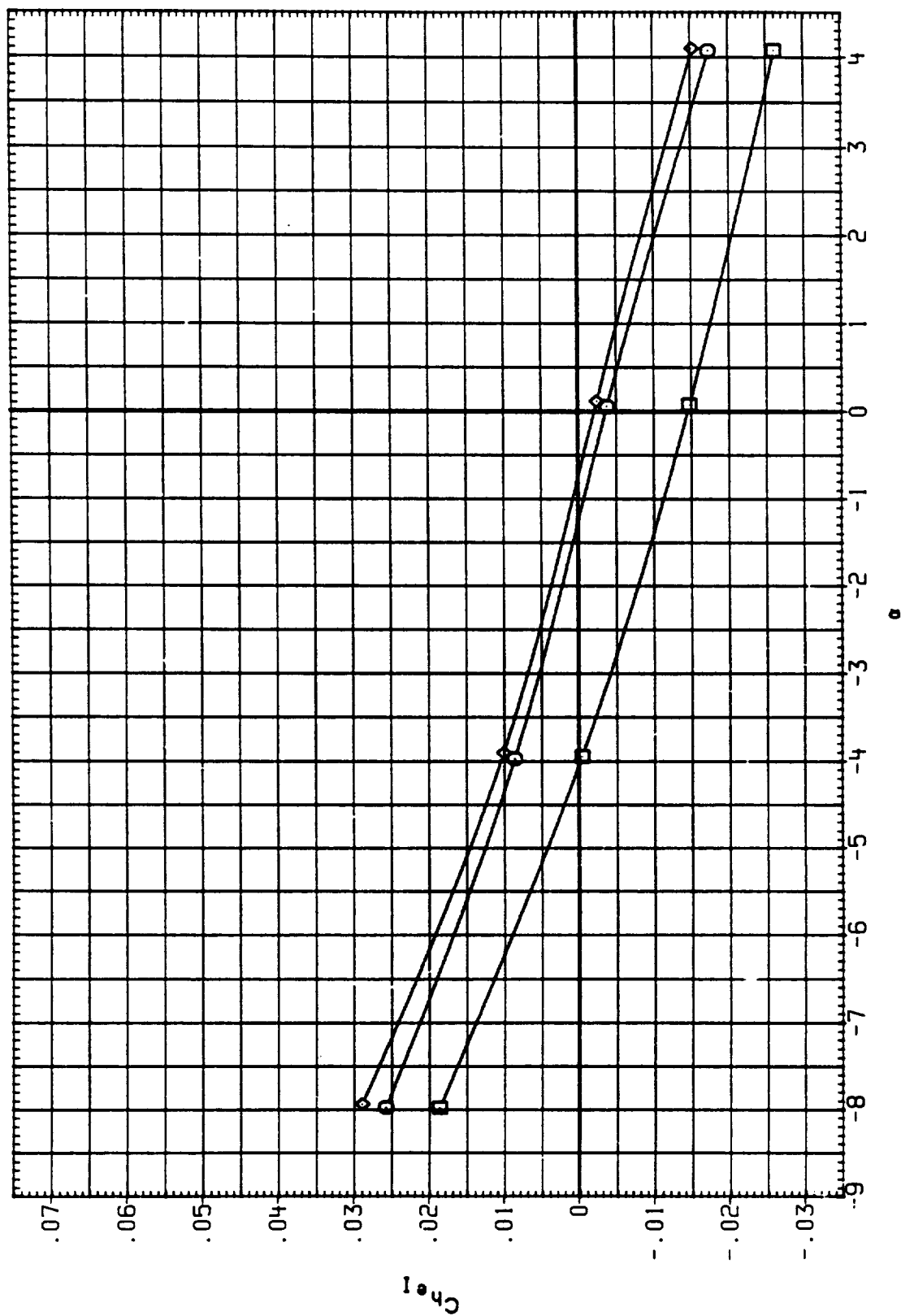


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0057	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	TOP	10.000	5.000
SC0052	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	ROTOM	10.000	5.000
SC0000	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	V + B	10.000	5.000

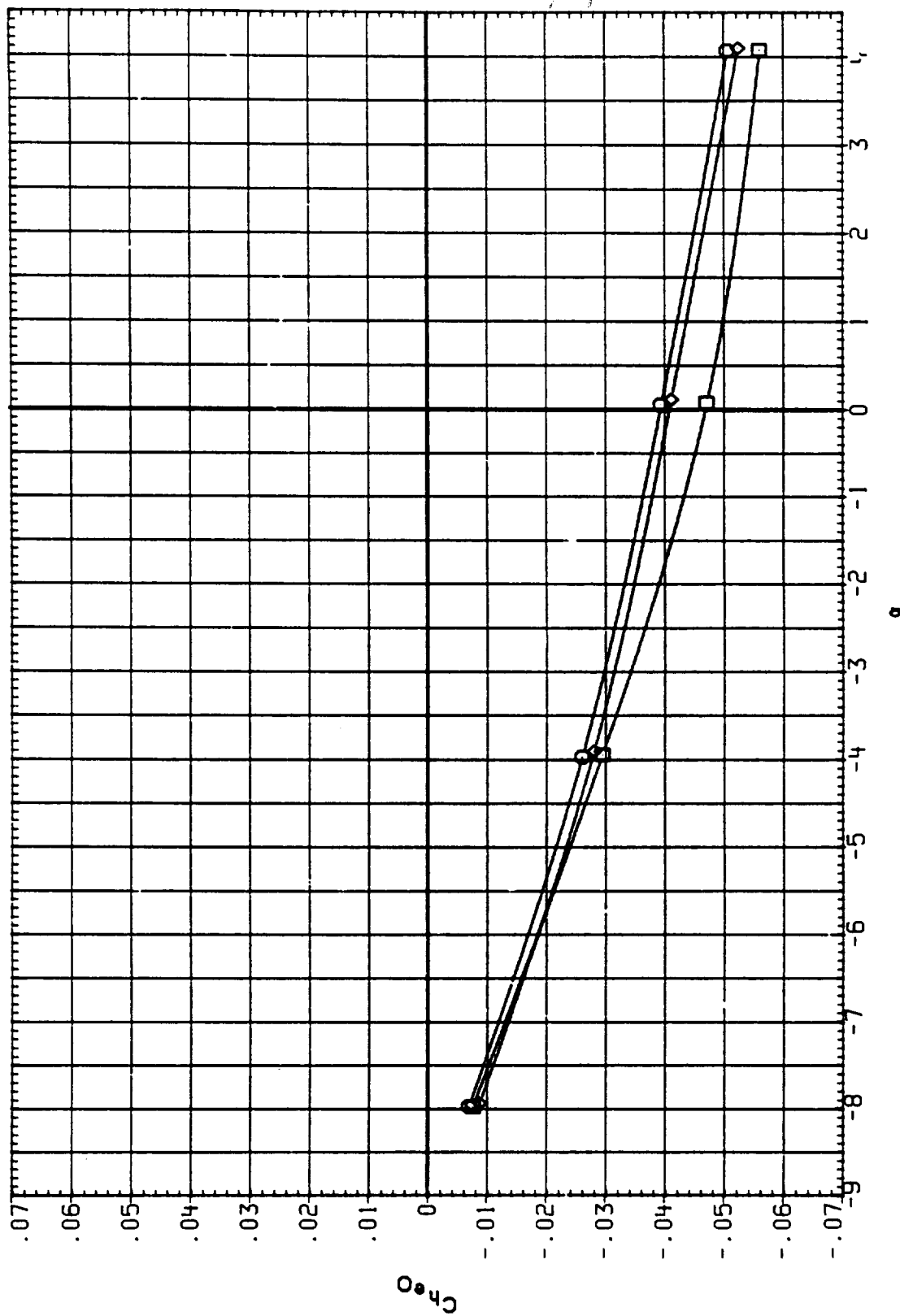


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
SC0057	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0092	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0000	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	T + B	10.000	5.000

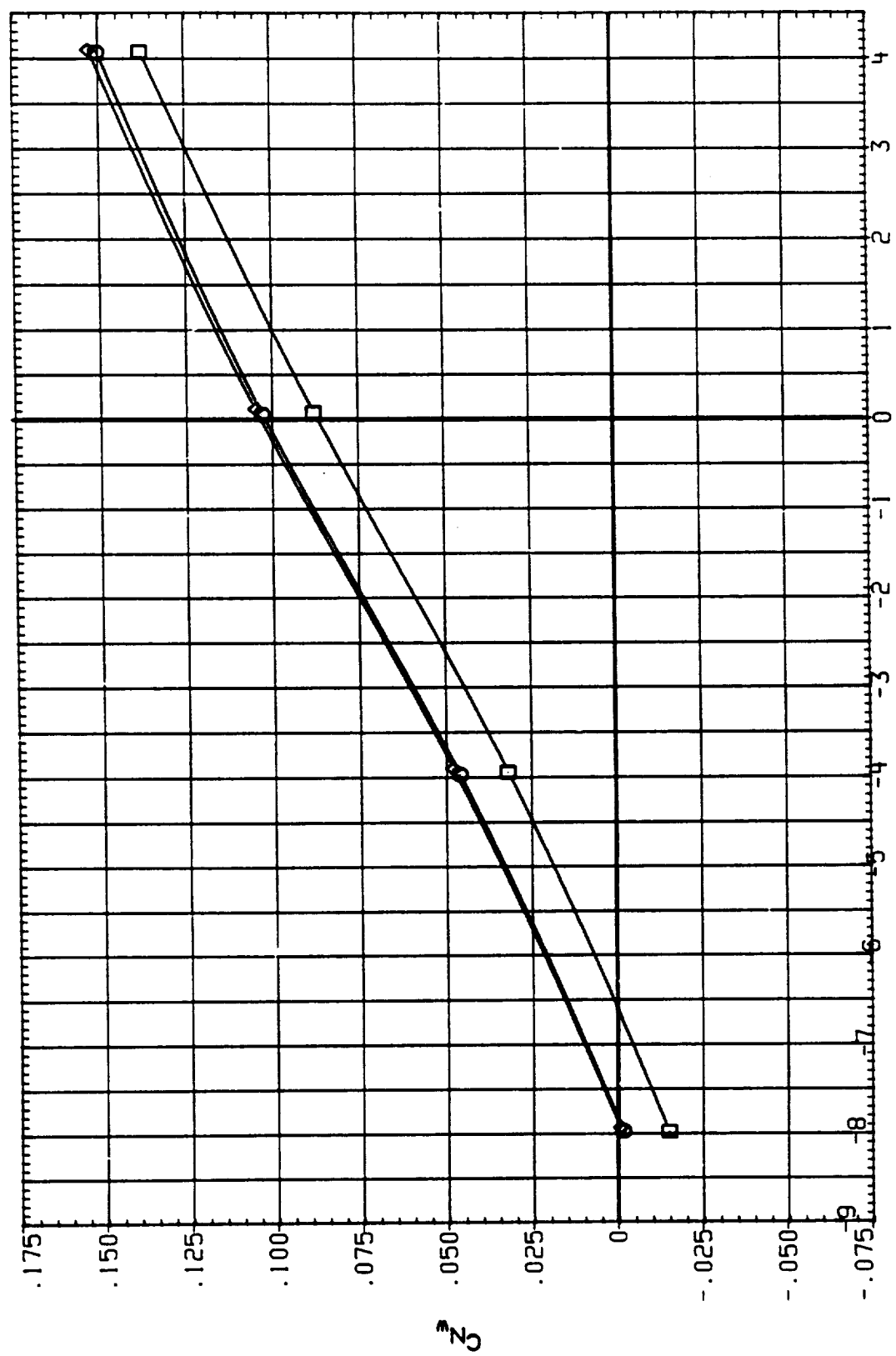


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0057	□	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0092	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0000	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	T + B	10.000	5.000

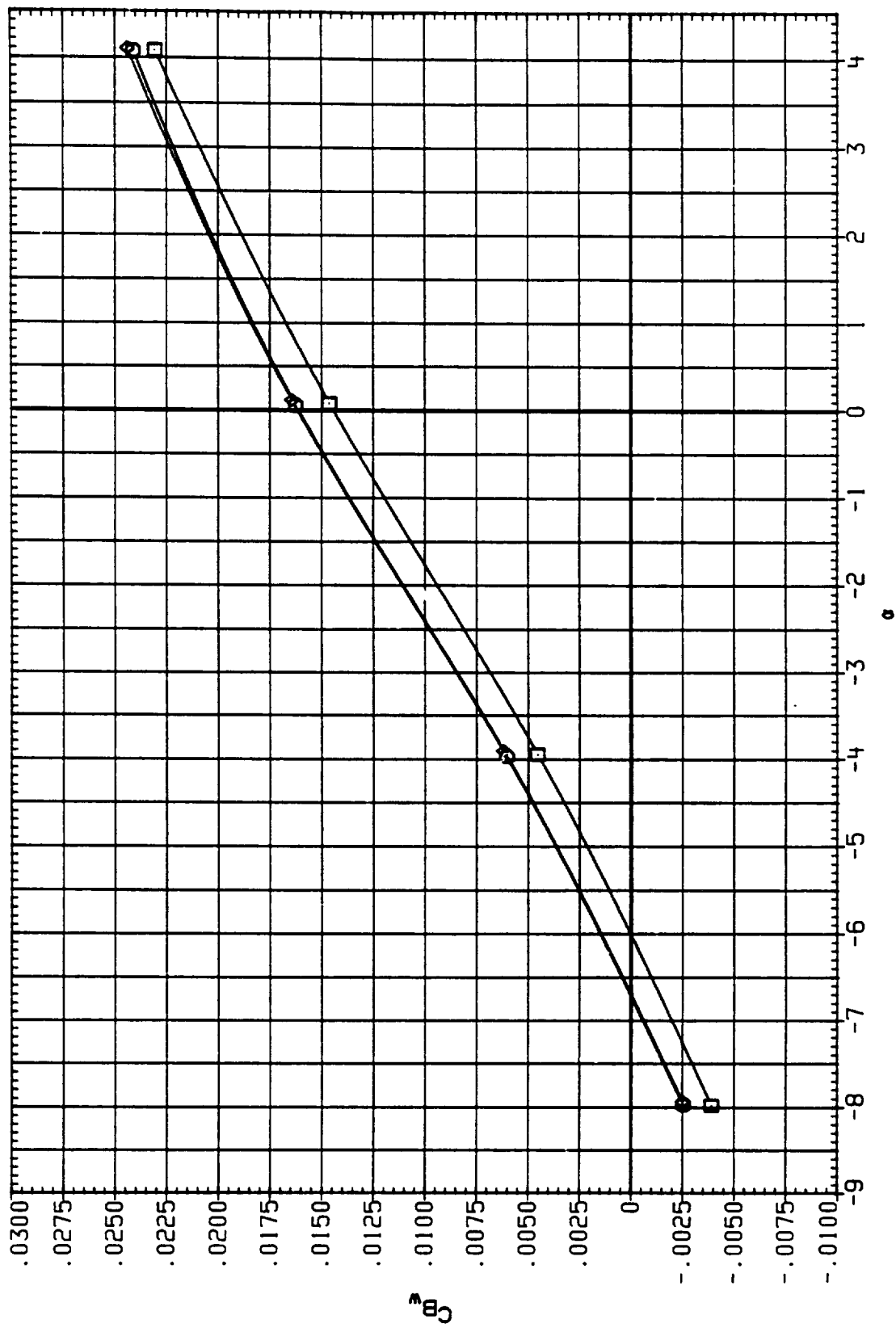


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0057	Q	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES SI.3	1.550	TOP	10.000	5.000				
SC0092	□	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES SI.3	1.550	BOTTOM	10.000	5.000				
SC0000	◇	IA613A(AEDC 161F-829)	B/L OT + ASRH+PLUMES SI.3	1.550	T + B	10.000	5.000				

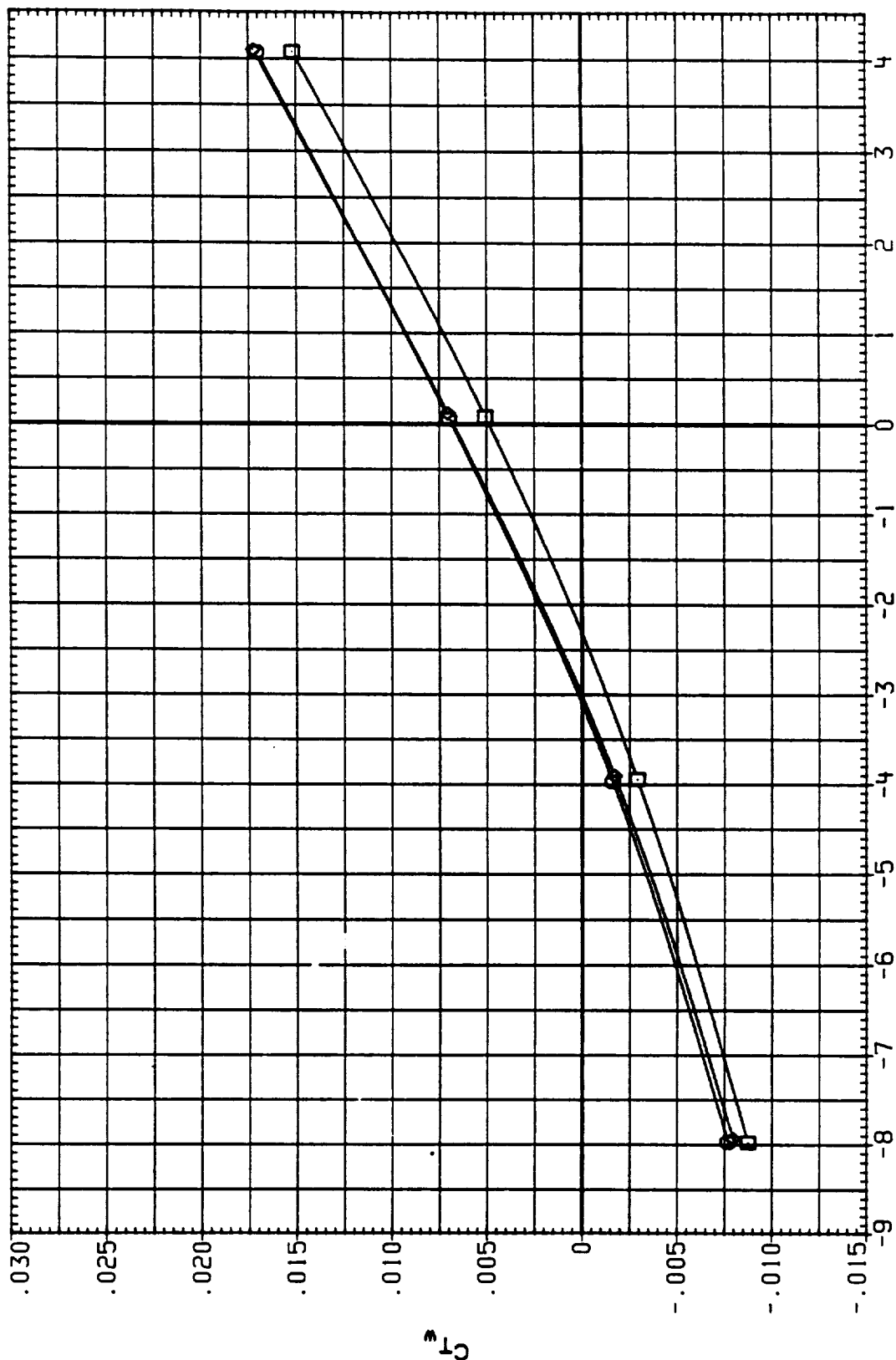


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	HACH	IEABOX	IB-ELV	OB-ELV
RC0065	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0080	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC0048	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

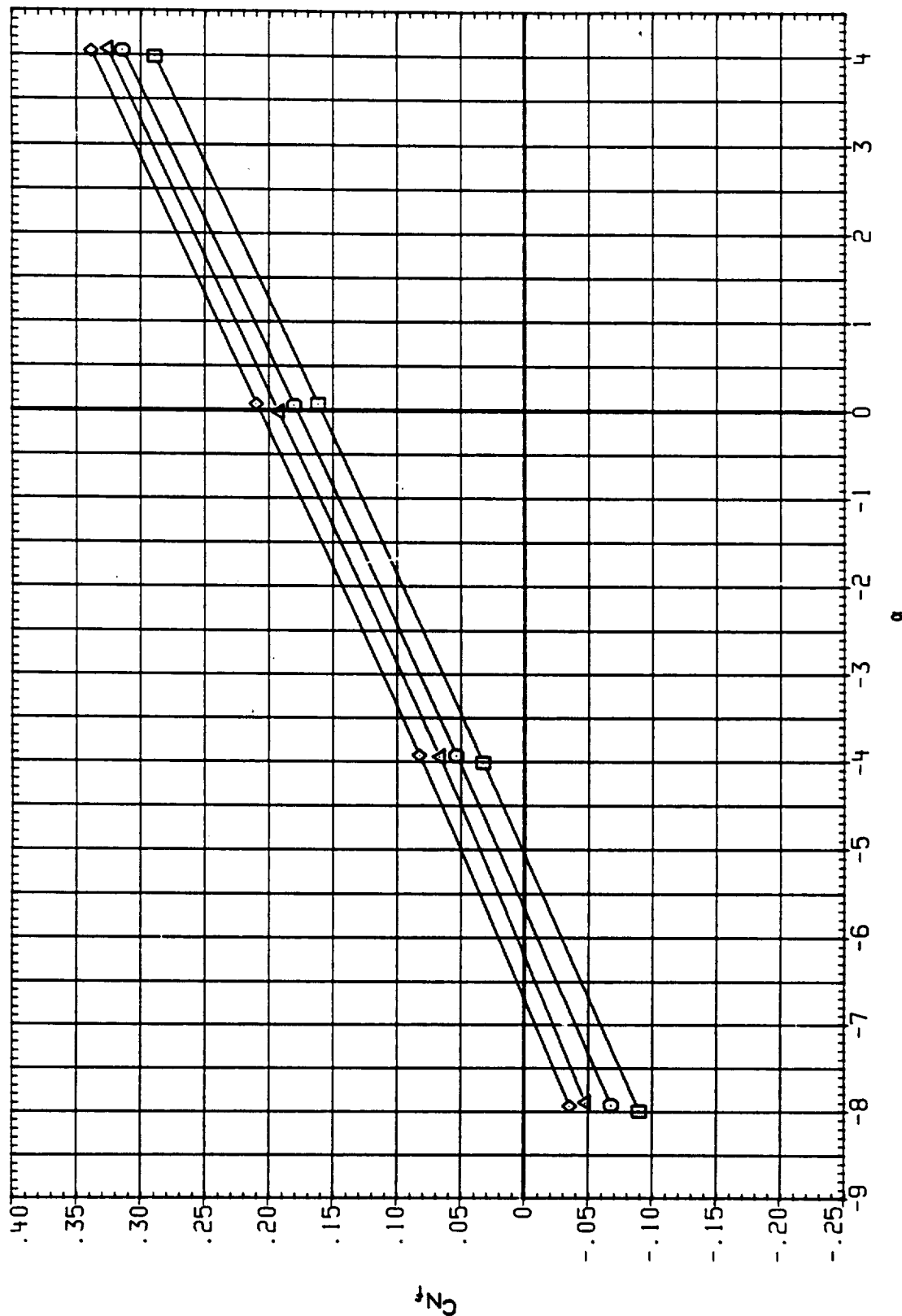


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEBOX	IB-ELV	OB-ELV
RC0065	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES SI.2	.600	BOTTOM	10.000	9.000
RC00AB	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES SI.2	.600	BOTTOM	8.000	9.000

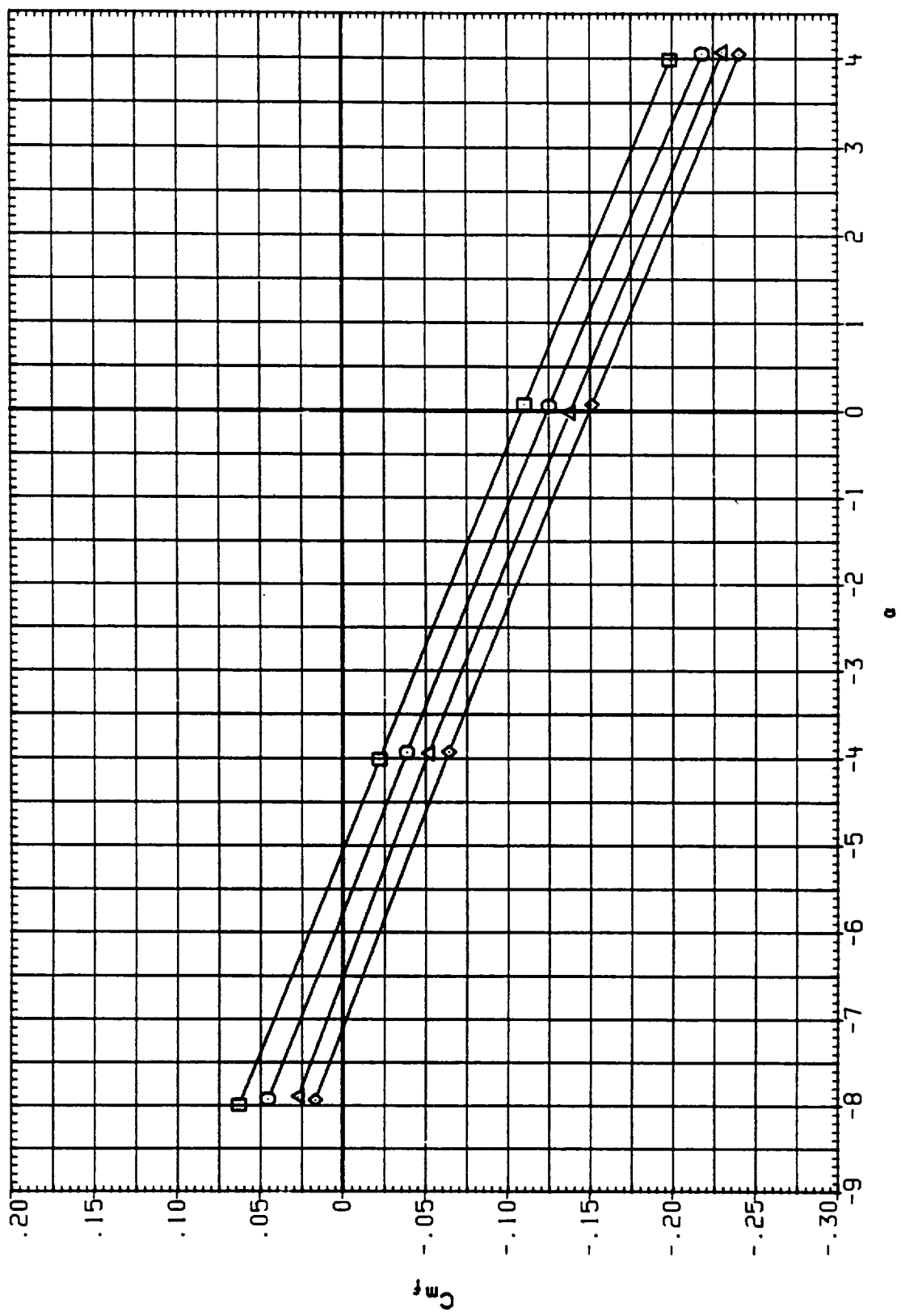


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0065	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0080	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES 51.2	.600	BOTTOM	10.000	9.000
RC00A8	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES 51.2	.600	BOTTOM	10.000	9.000

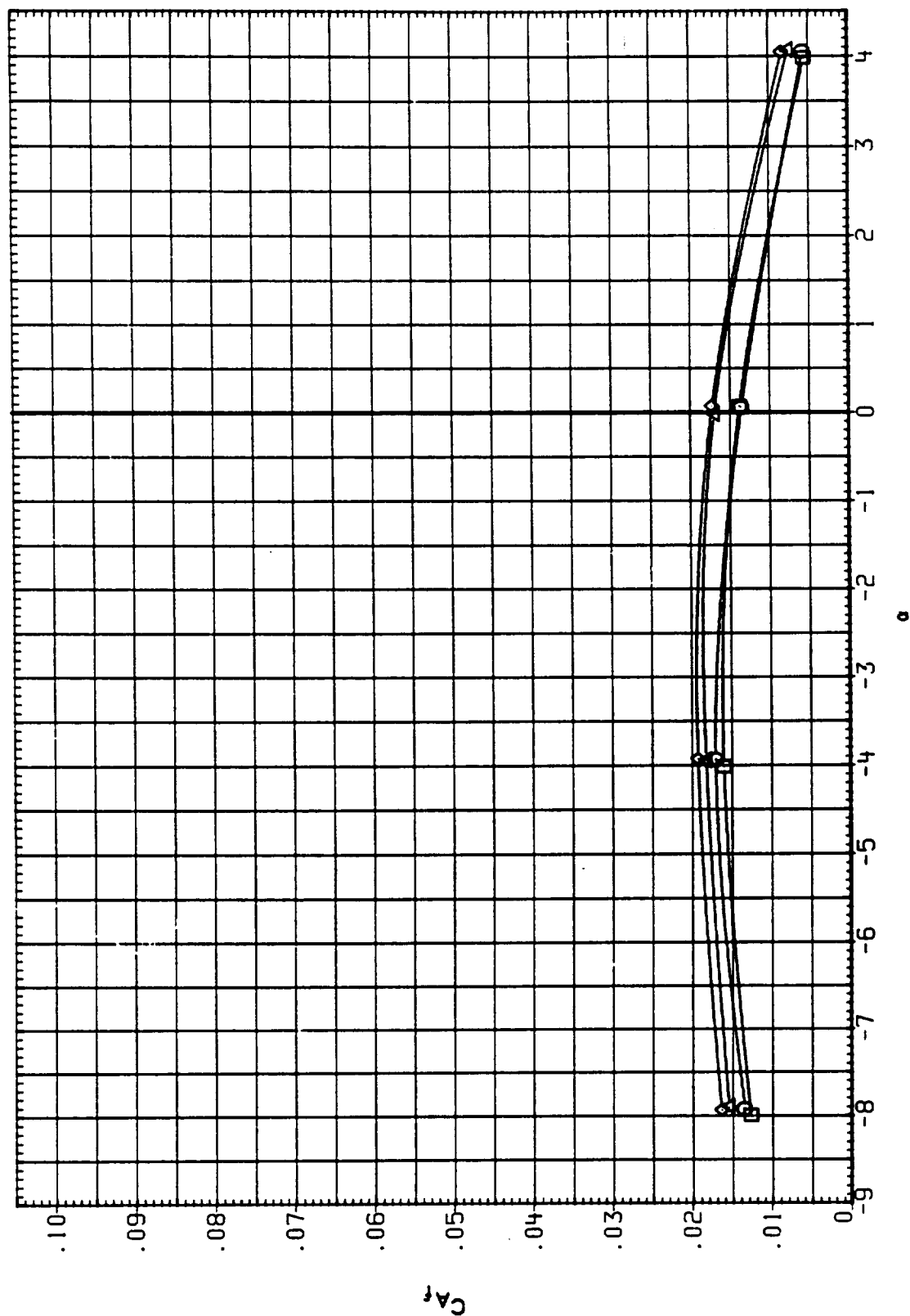


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0066	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	10.000	9.000
RC00A9	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	8.000	9.000

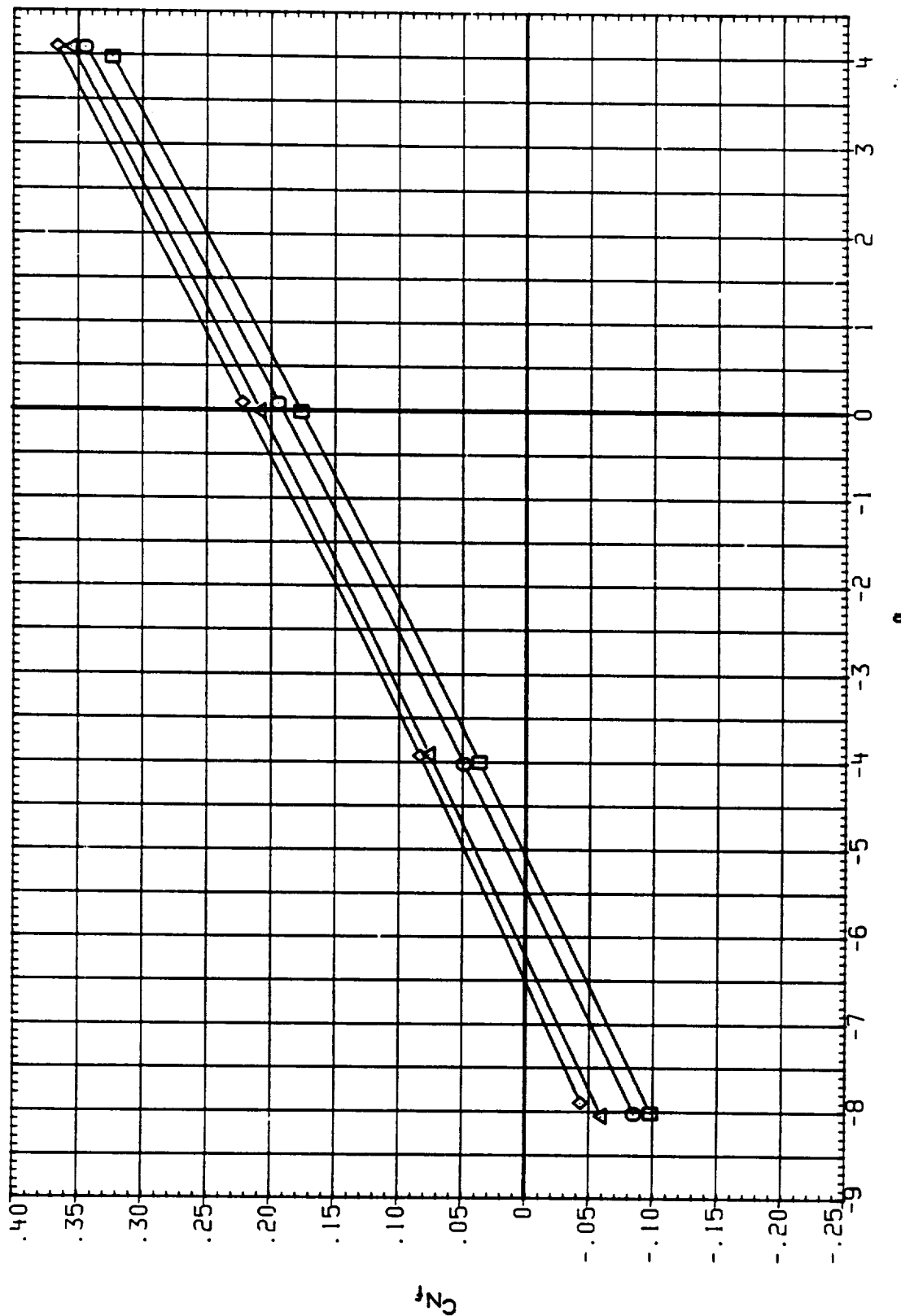


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0066	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	10.000	9.000
RC0049	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	8.000	9.000

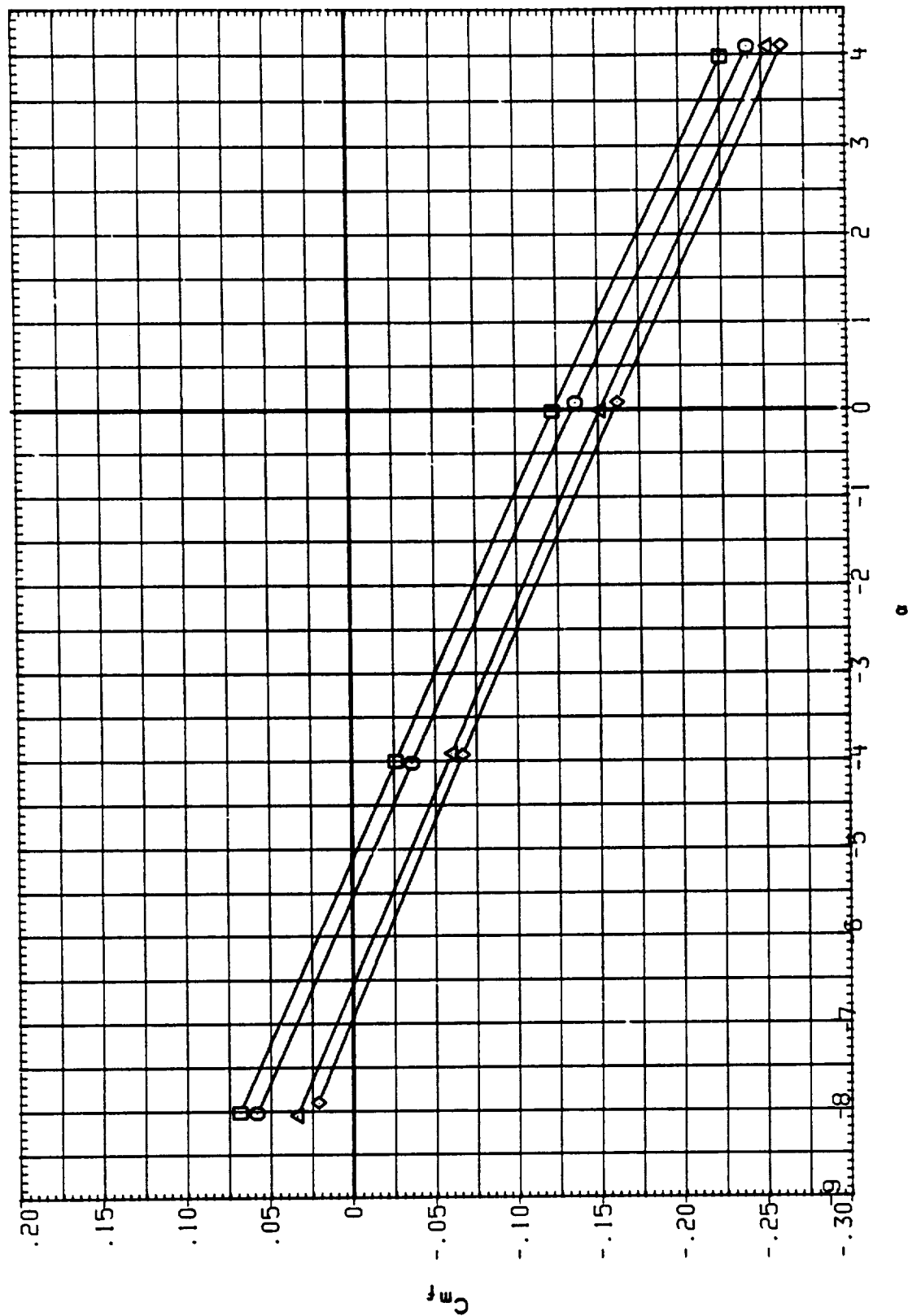


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL IAGI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF .800 BOTTOM 10.000 9.000
 RC0066 IAGI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF .800 BOTTOM 10.000 9.000
 RC0096 IAGI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF .800 BOTTOM 10.000 9.000
 RC0081 IAGI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2 .800 BOTTOM 10.000 9.000
 RC0049 IAGI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2 .800 BOTTOM 10.000 9.000

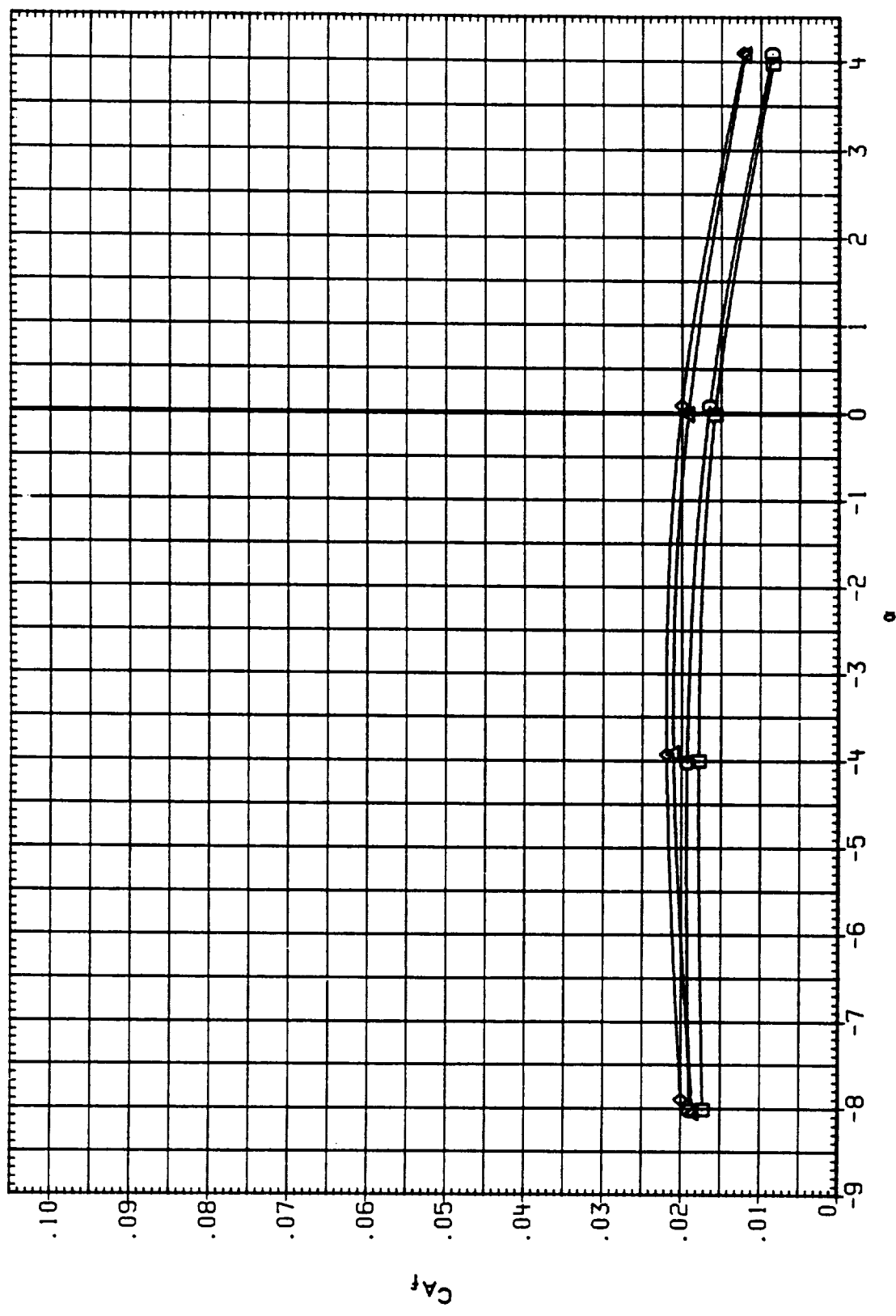


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	HEAD	15-LEV	25-LEV
RC0067	○	IA613A1AEDC 16TF-829) B/L OT + ASRM, PL	.900	BOTTOM	10.000	9.000
RC0097	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PL	.900	BOTTOM	10.000	9.000
RC0082	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES	.900	BOTTOM	10.000	9.000
RC0080	△	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES	.900	BOTTOM	10.000	9.000

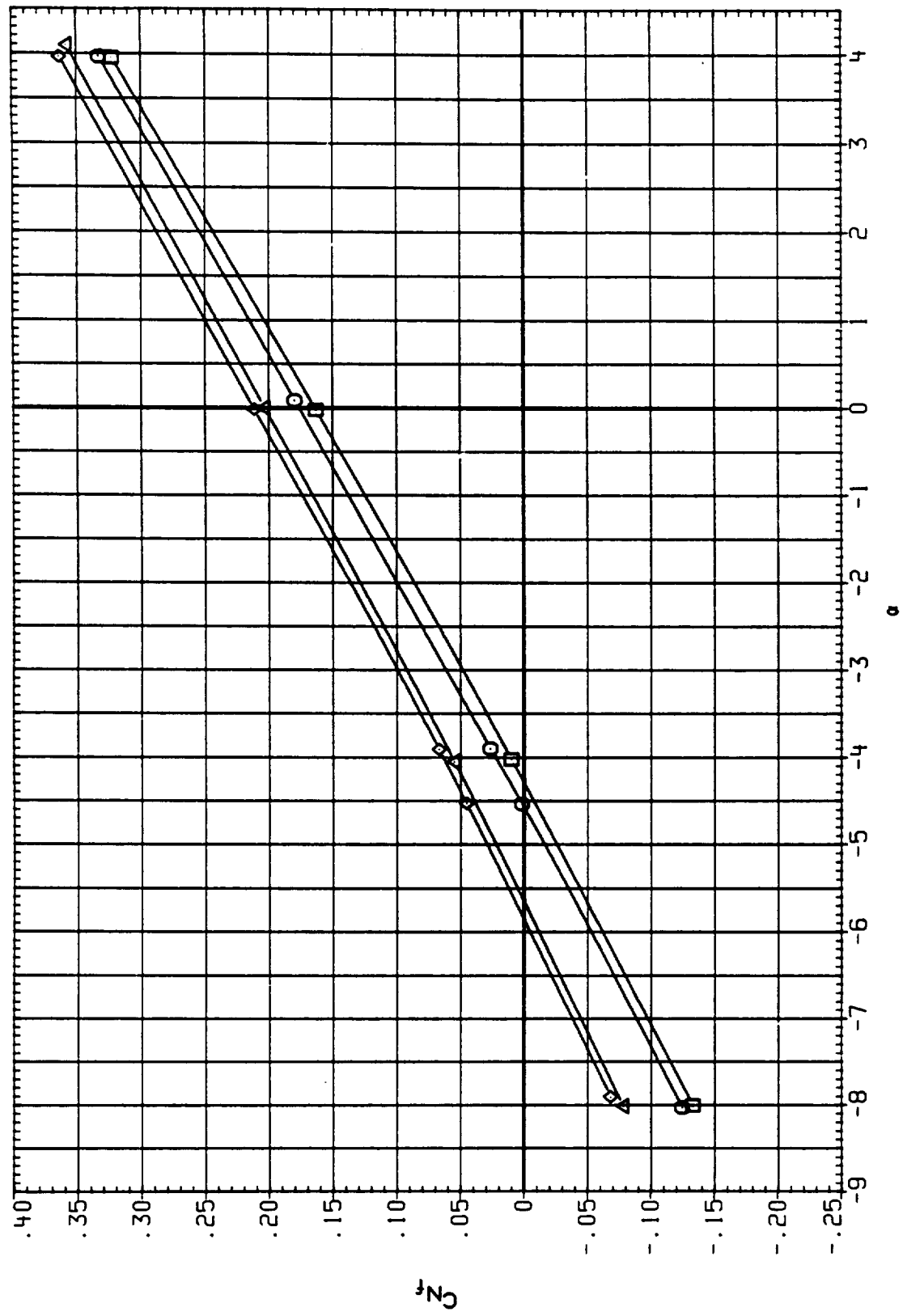


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	PLATE	CLASS	PLATE	PLATE
RC0067	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	10.000	9.000
RC0097	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	8.000	9.000
RC0082	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	BOTTOM	10.000	9.000
RC0080	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	BOTTOM	8.000	9.000

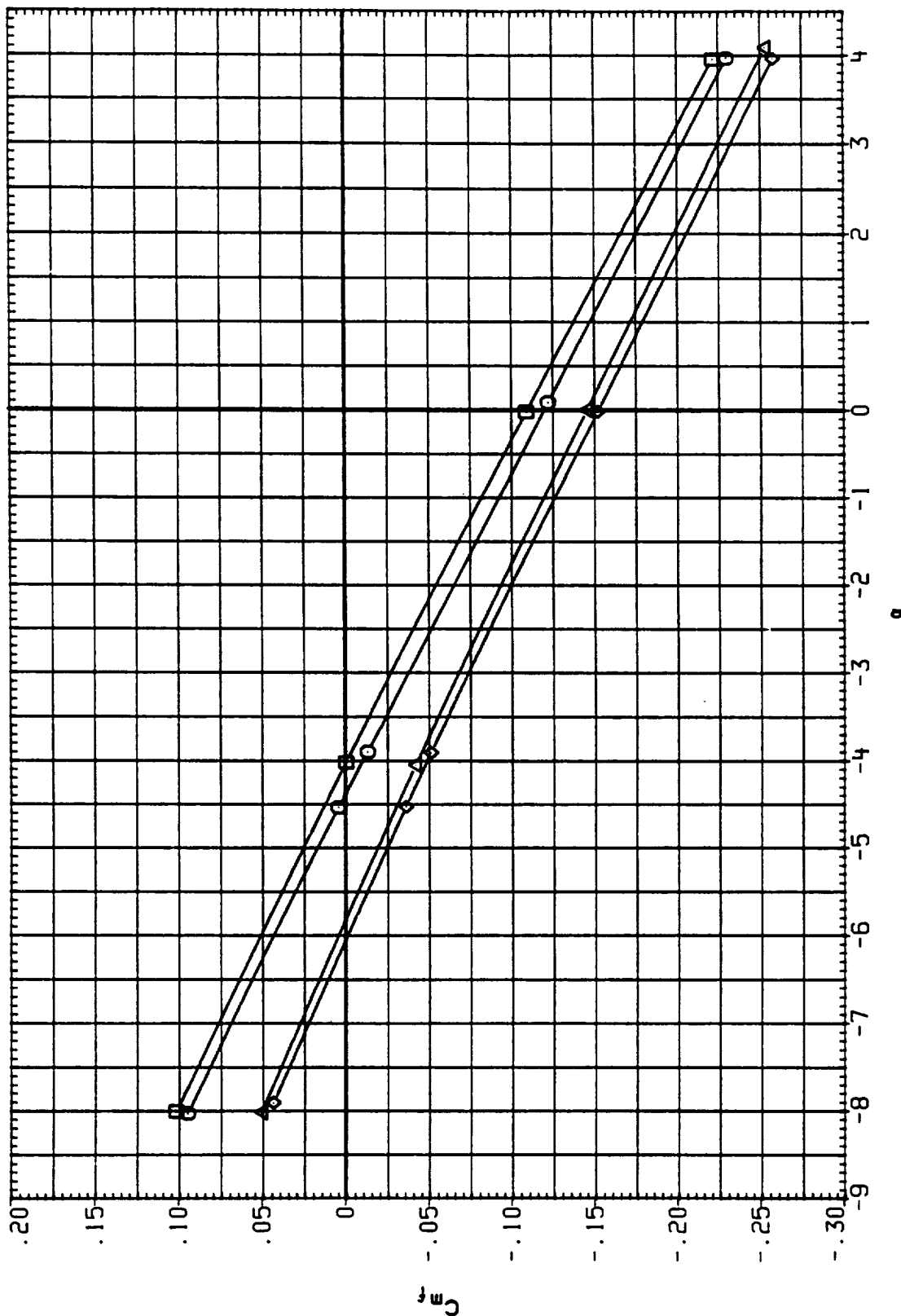


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	WAVE	DEPTH	DEPTH
RC0067	○	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	.900	10.000	9.000
RC0097	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	.900	8.000	9.000
RC0082	◇	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.5	.900	10.000	9.000
RC0080	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	8.000	9.000

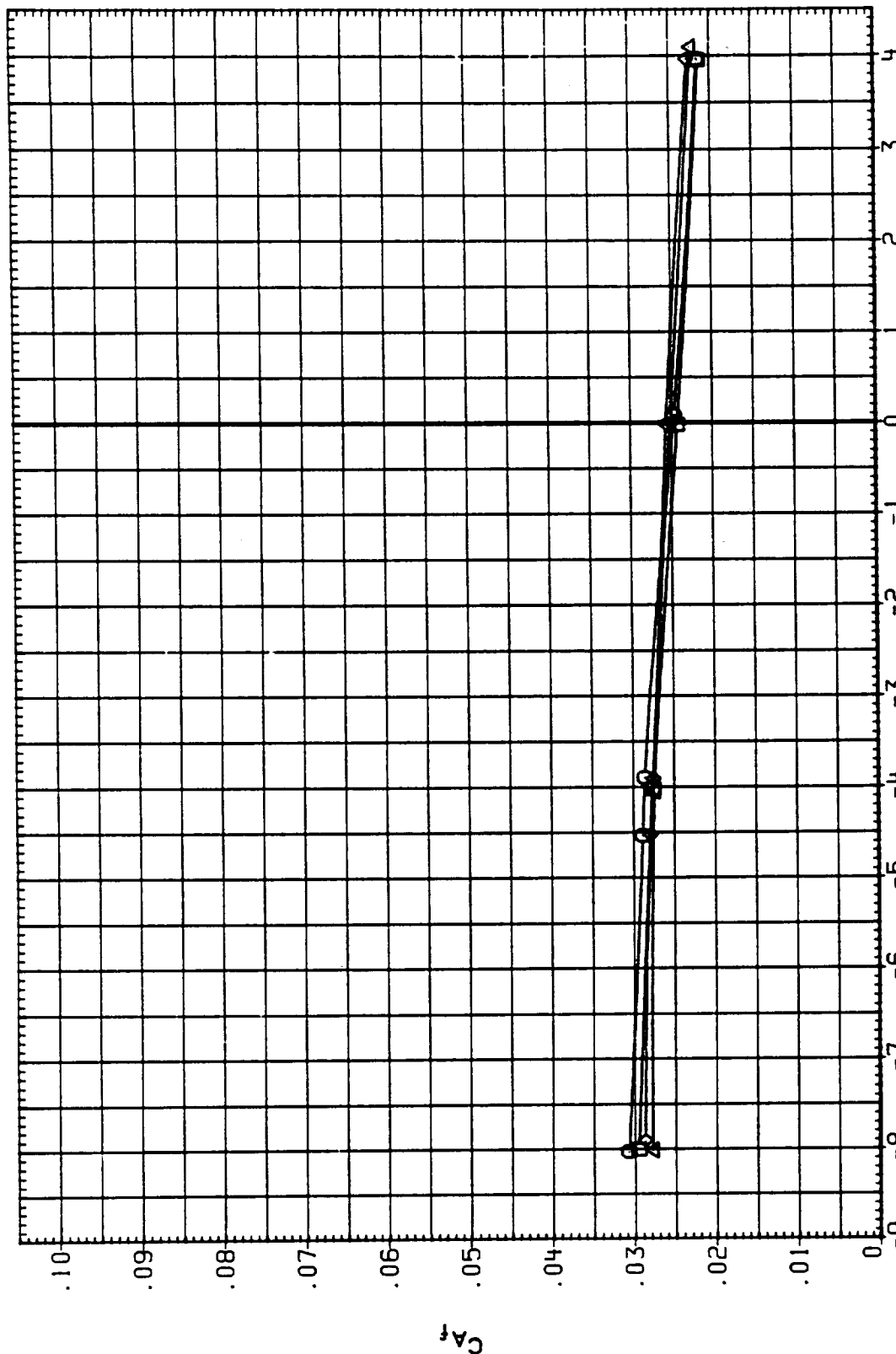


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL

RC0068
RC0098
RC0083
RC0081

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT * ASRM, PLUMES ST.2
IA613A1AEDC 161F-829) B/L OT * ASRM, PLUMES ST.2

MACH

.950
.950
.950
.950

HEADBOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IS-EL.

10.000
8.000
10.000
8.000

US-EL.

9.000
9.000
9.000
9.000

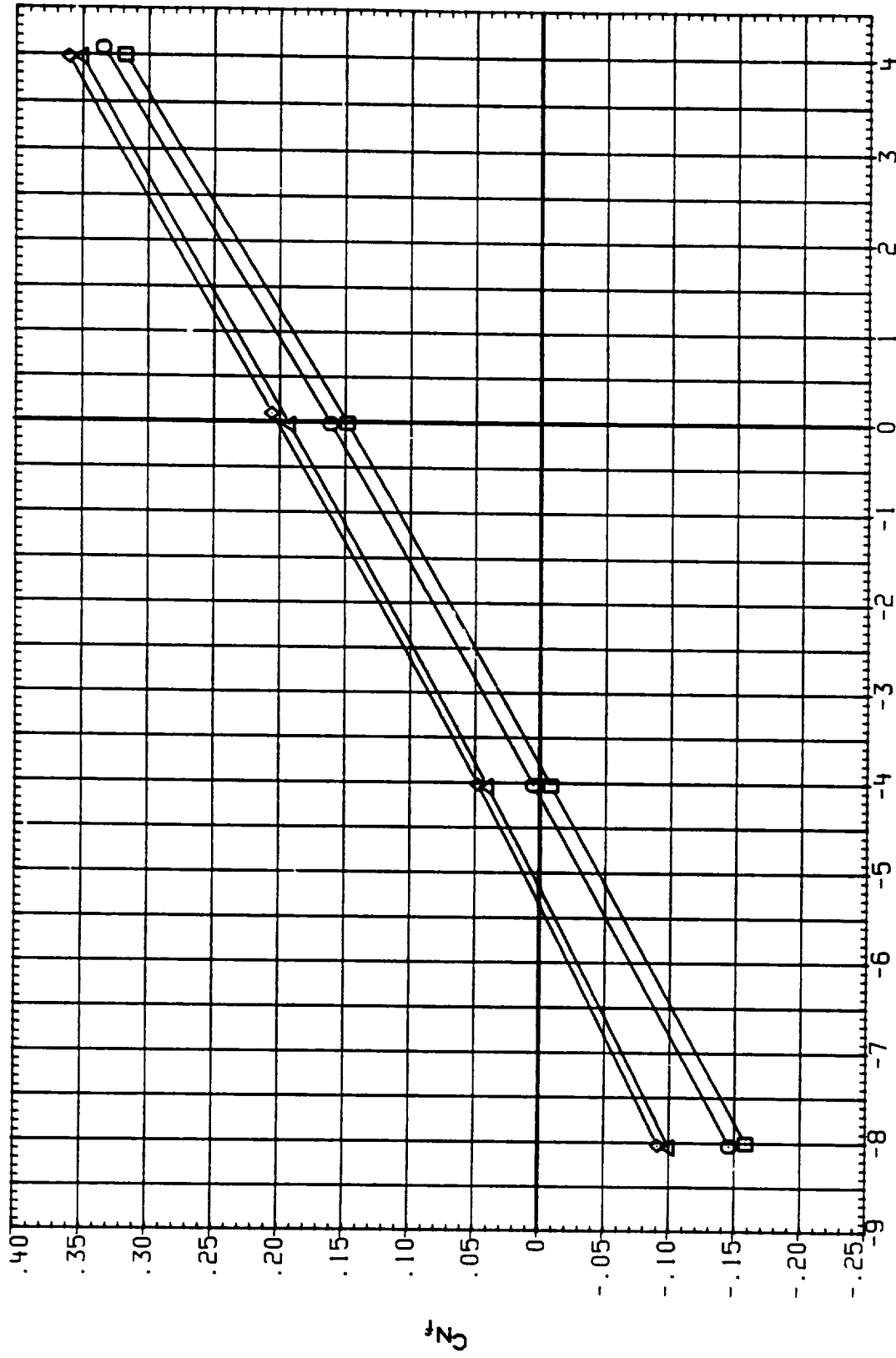


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACM	LEASZA	LE-ELN	CS-ELN
RC0068	IA613A1AEDC 16TF-829) B/L CT * ASRM, PLUMES OF	.950	BOTTOM	10.000	9.000
RC0098	IA613A1AEDC 16TF-829) B/L OT * ASRM, PLUMES OF	.950	BOTTOM	8.000	9.000
RC0083	IA613A1AEDC 16TF-829) B/L OT * ASRM+PLUMES 51.2	.950	BOTTOM	10.000	9.000
RC0081	IA613A1AEDC 16TF-829) B/L OT * ASRM+PLUMES 51.2	.950	BOTTOM	8.000	9.000

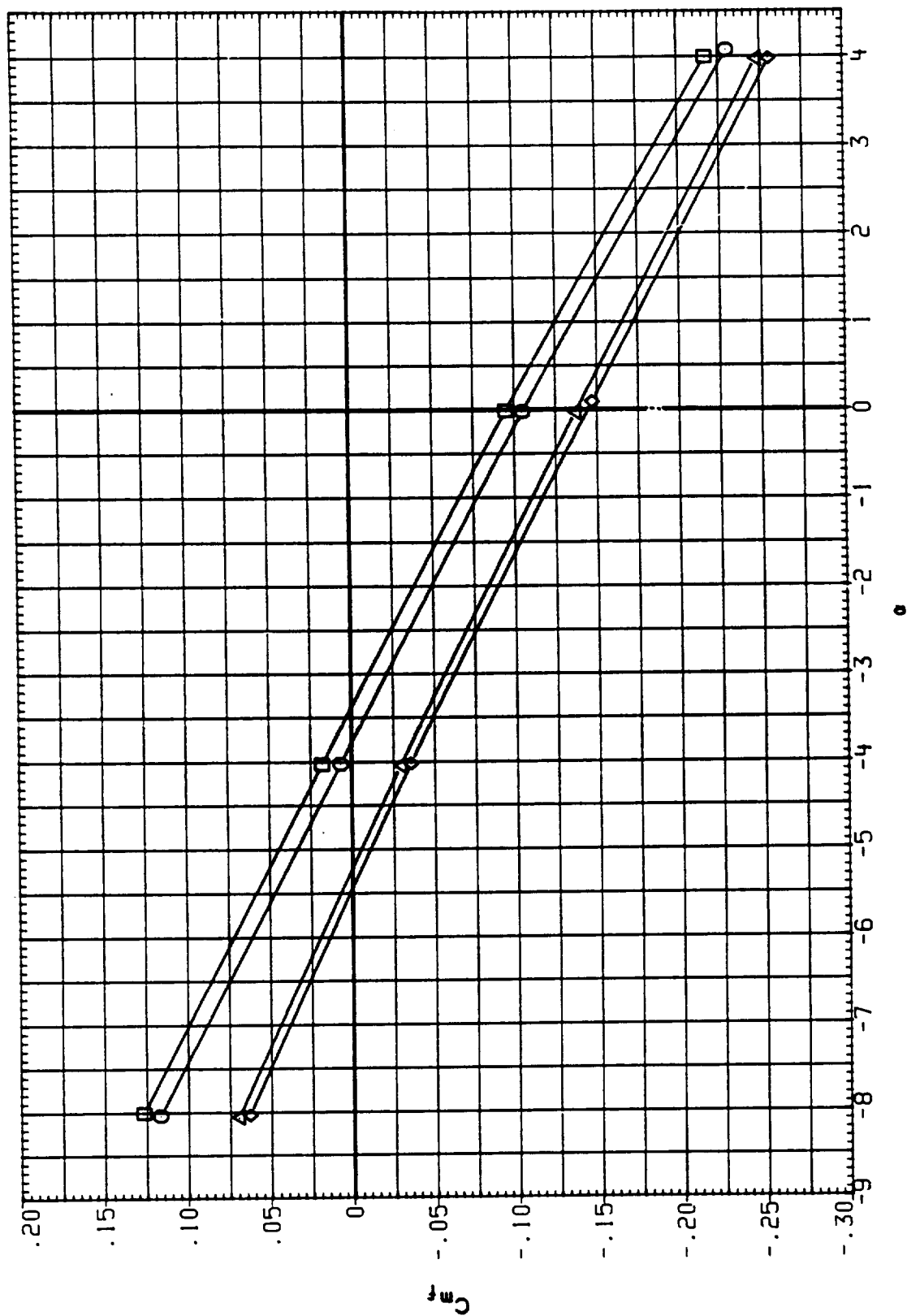


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0058	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0059	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	8.000	9.000
RC0063	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.950	BOTTOM	10.000	9.000
RC0081	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.950	BOTTOM	8.000	9.000

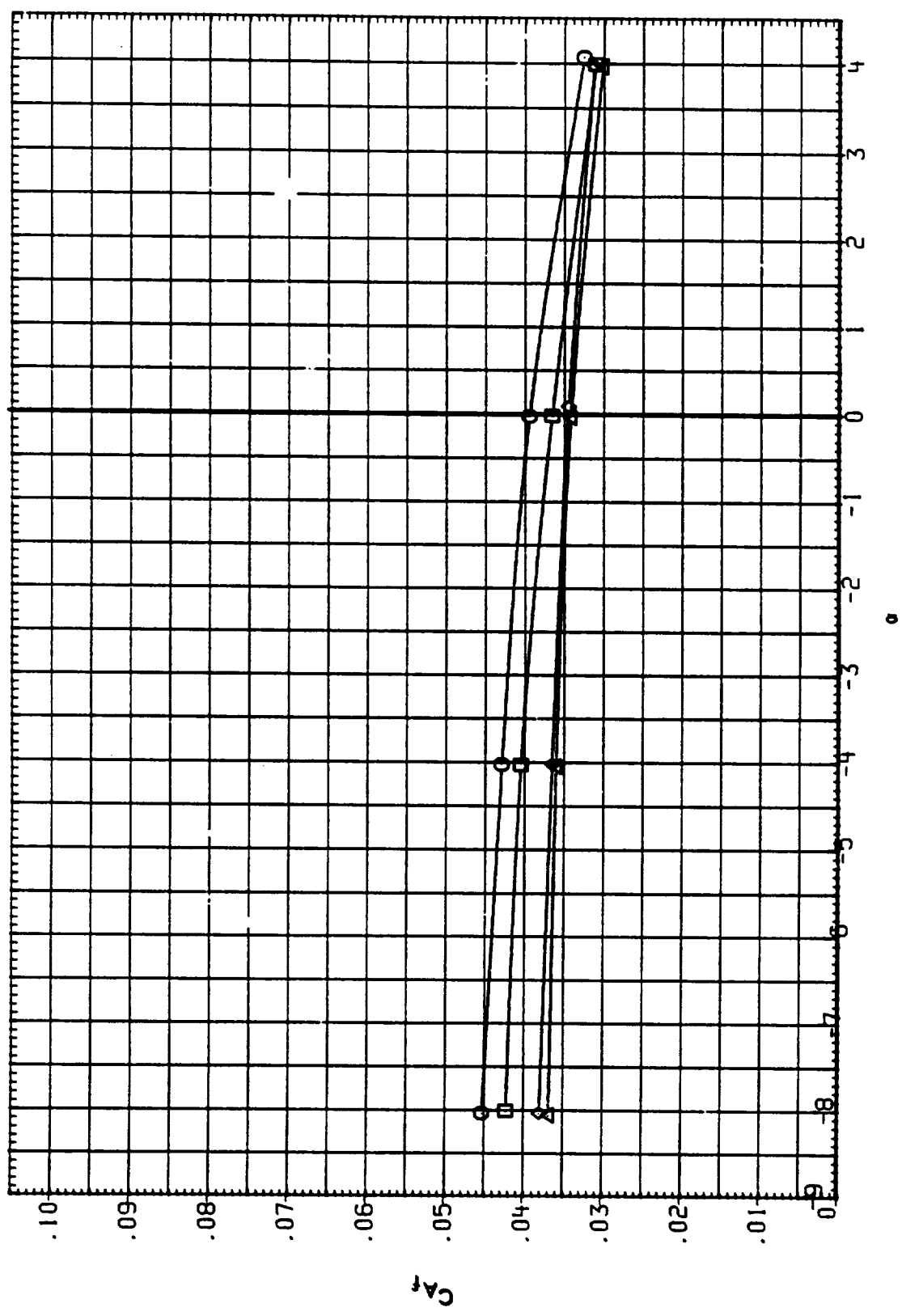


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS
(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	ASRM	OT	ASRM+PLUMES	SI, 2	OFF	PAUSE	RESTART	STOP	9.000
RC0069	IA613A(AEDC 16TF-829) B/L OT + ASRM									
RC0099	IA613A(AEDC 16TF-829) B/L OT + ASRM									
RC0084	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES									
RC0082	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES									

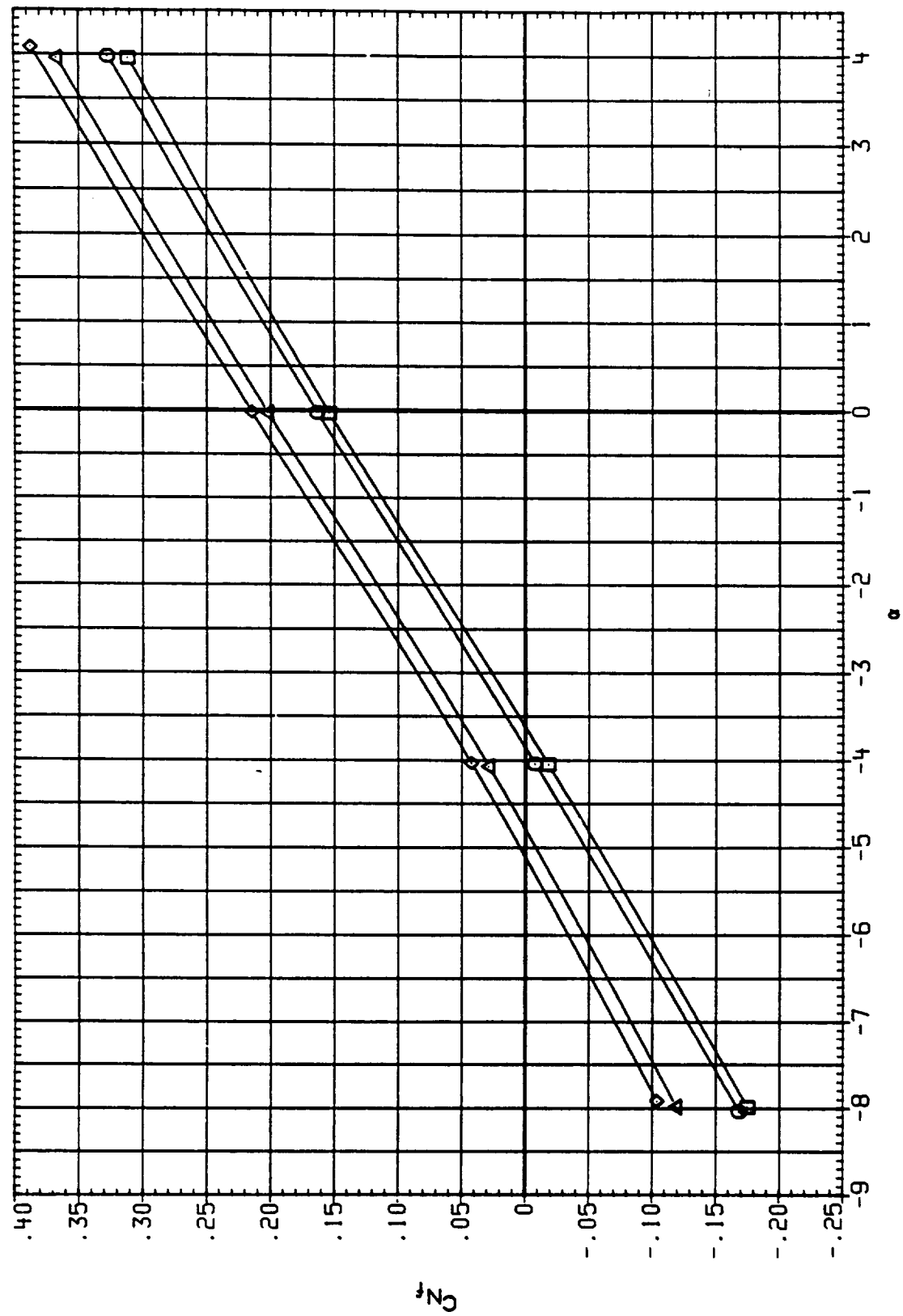


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
RC0069	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
RC0099	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
RC0084	△	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.050	BOTTOM	10.000	9.000
RC0082	△	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.050	BOTTOM	8.000	9.000

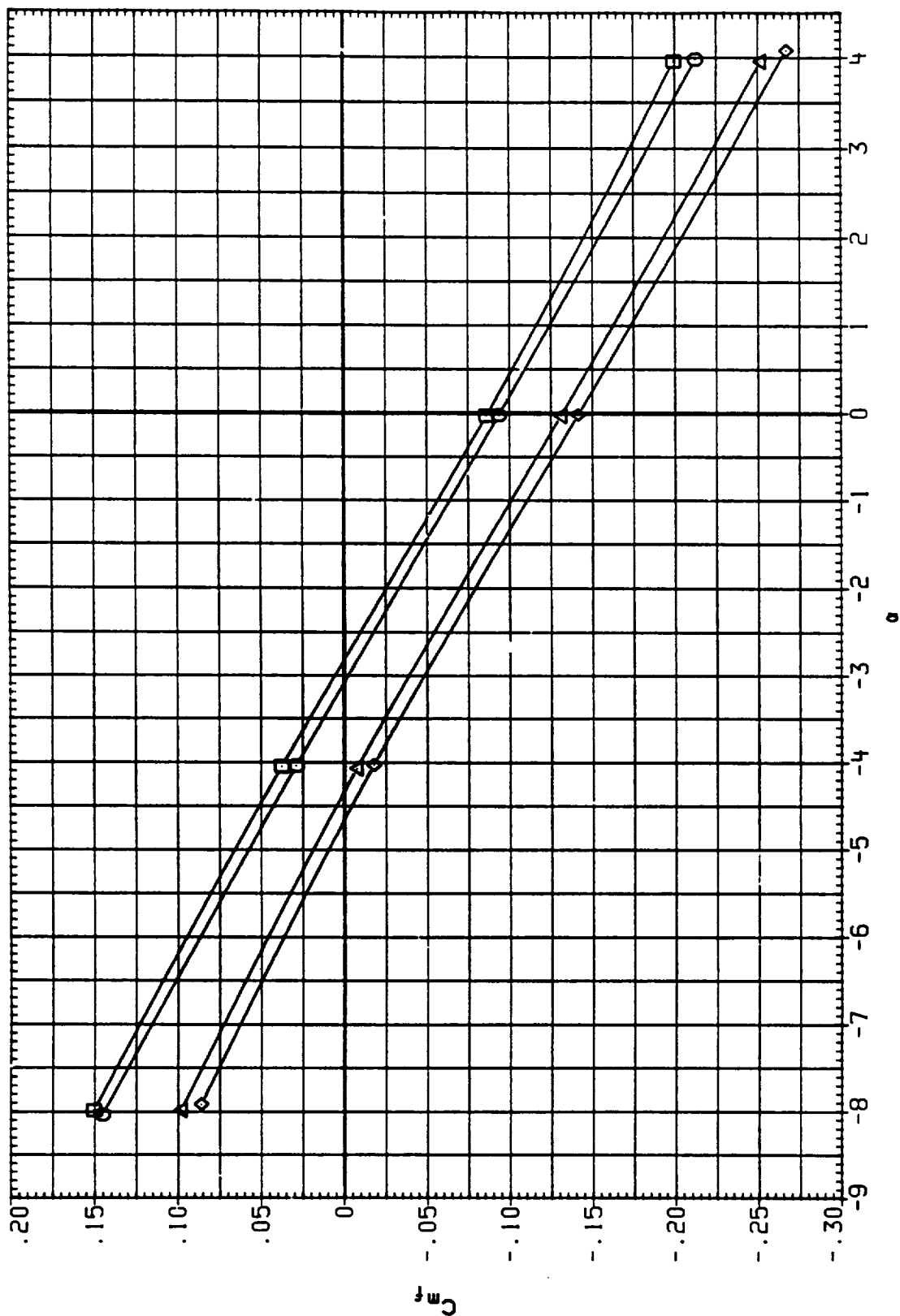


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET 1000000

RC0063	IA613A1AEDC	16TF-8291	B/L OT	ASRH, PLV	CF	1.050	BOTTOM	9.000
RC0099	IA613A1AEDC	16TF-8291	B/L OT	ASRH, PLV	CF	1.050	BOTTOM	9.000
RC0084	IA613A1AEDC	16TF-8291	B/L OT	ASRH+PLUM	1.2	1.050	BOTTOM	9.000
RC0082	IA613A1AEDC	16TF-8291	B/L OT	ASRH+PLUMES	51.2	1.050	BOTTOM	9.000

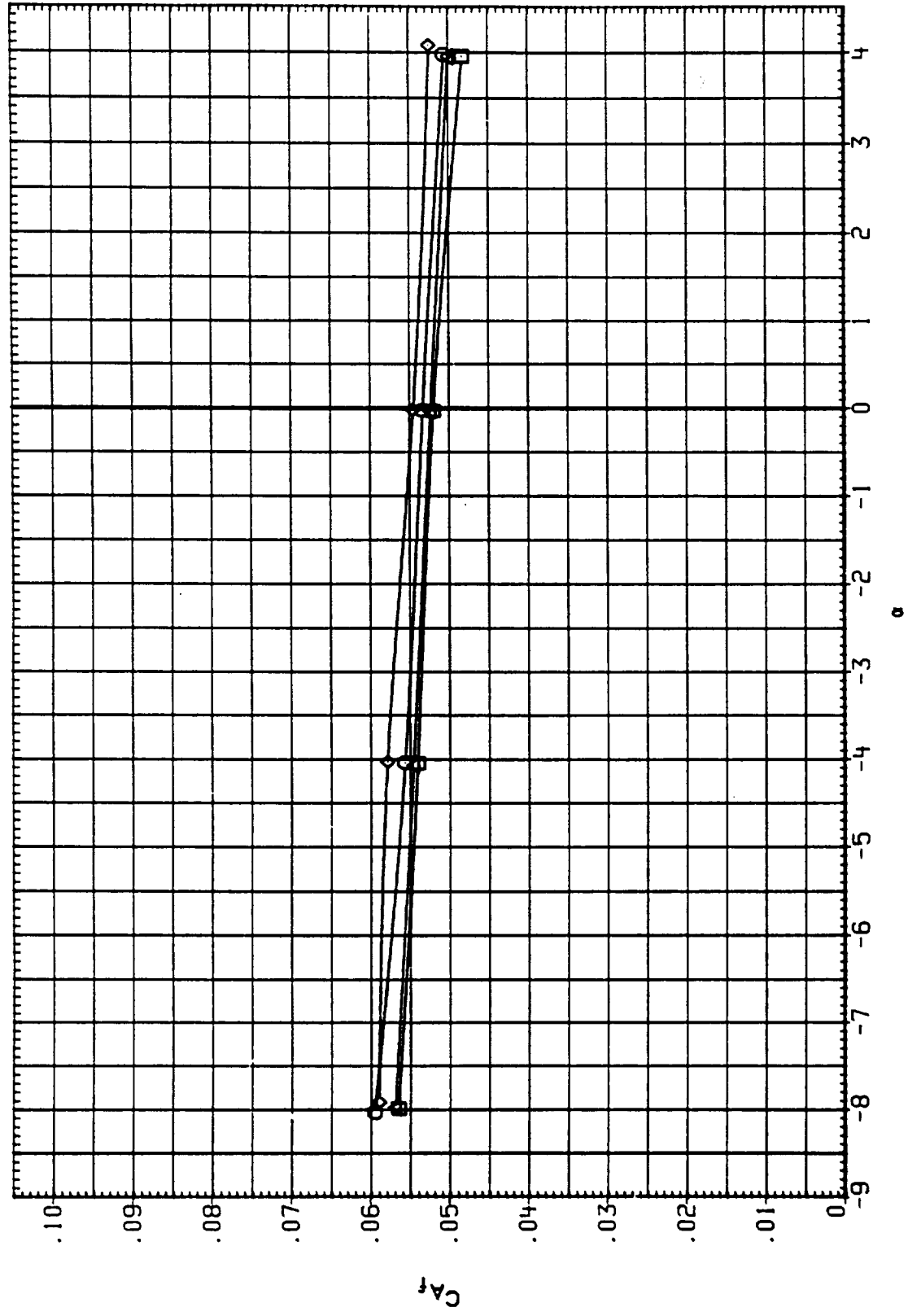


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	PCN	SLAB	ISL	ISL
RC0070	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	10.000	9.000
RC00A0	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	10.000	9.000
RC00B5	IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
RC00B3	IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000

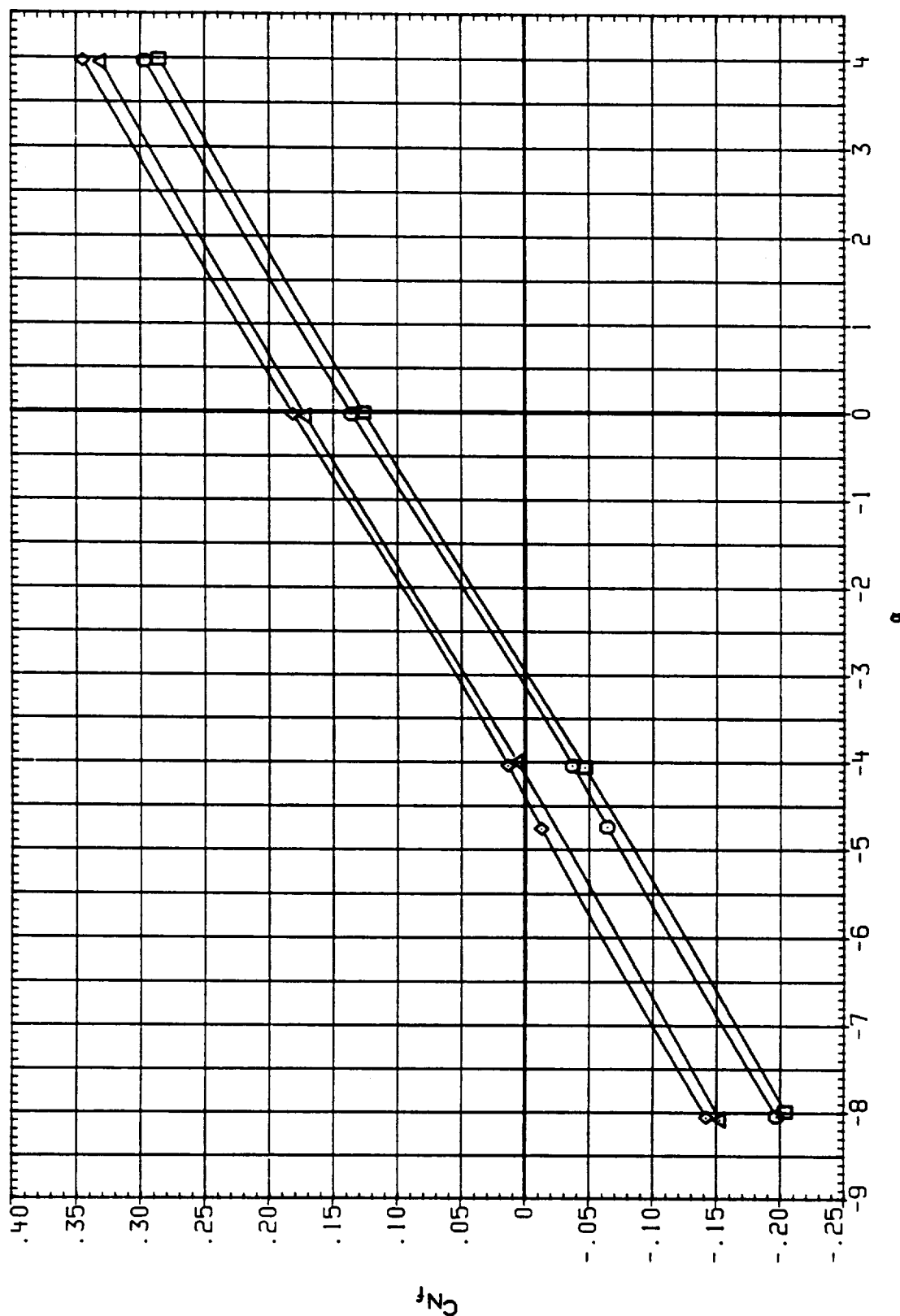


FIG. 6 EFFECT OF ELEVEN SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	PLAN	ELEVATION	SCALE
RC0070	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1:100	BOTTOM	10:000
RC0080	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1:100	BOTTOM	10:000
RC0085	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES	1:100	BOTTOM	10:000
RC0083	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES	1:100	BOTTOM	10:000

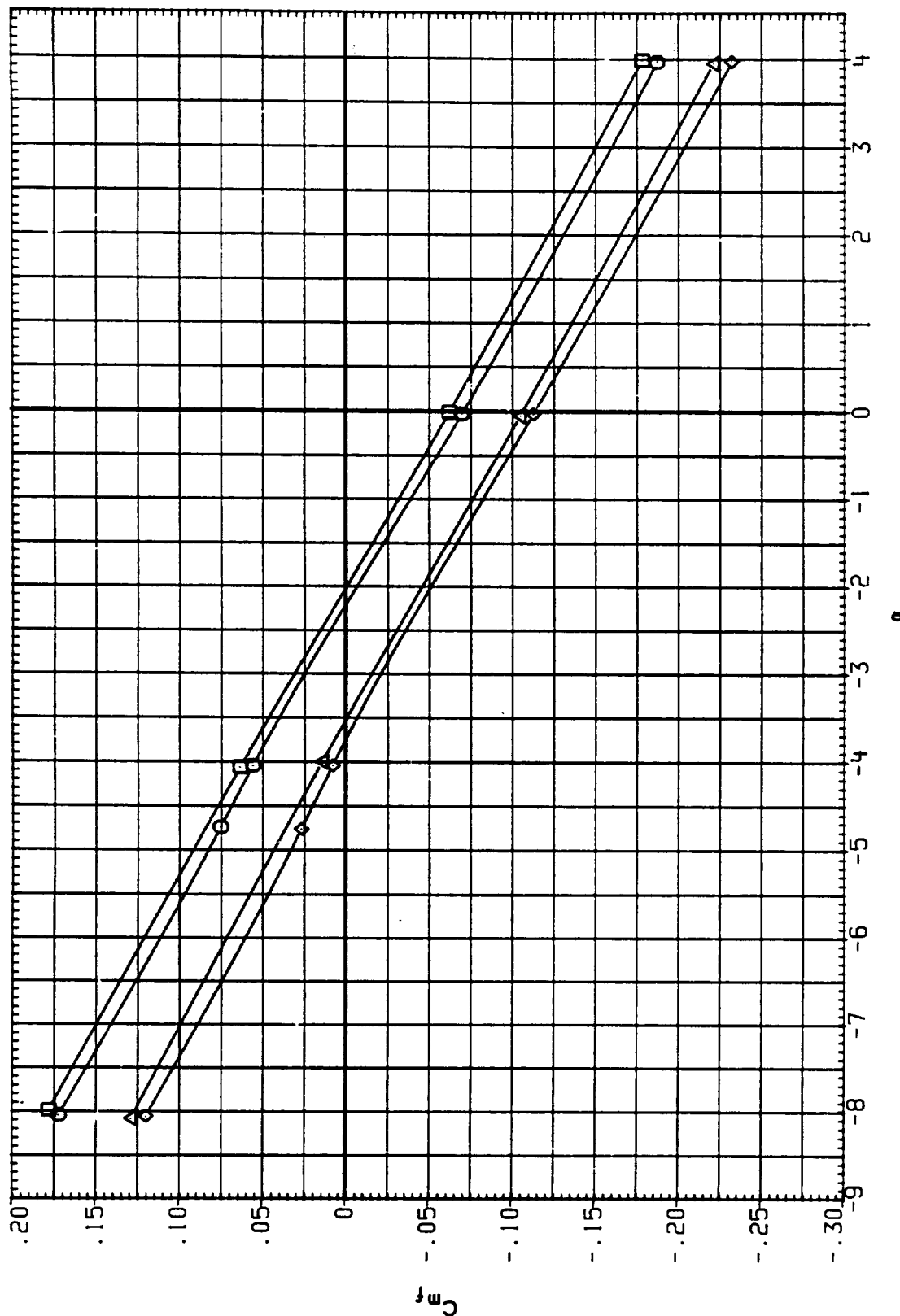


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0070	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.100	BOTTOM	10.000	9.000
RC00A0	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.100	BOTTOM	8.000	9.000
RC00B5	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	1.100	BOTTOM	10.000	9.000
RC00B3	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	1.100	BOTTOM	8.000	9.000

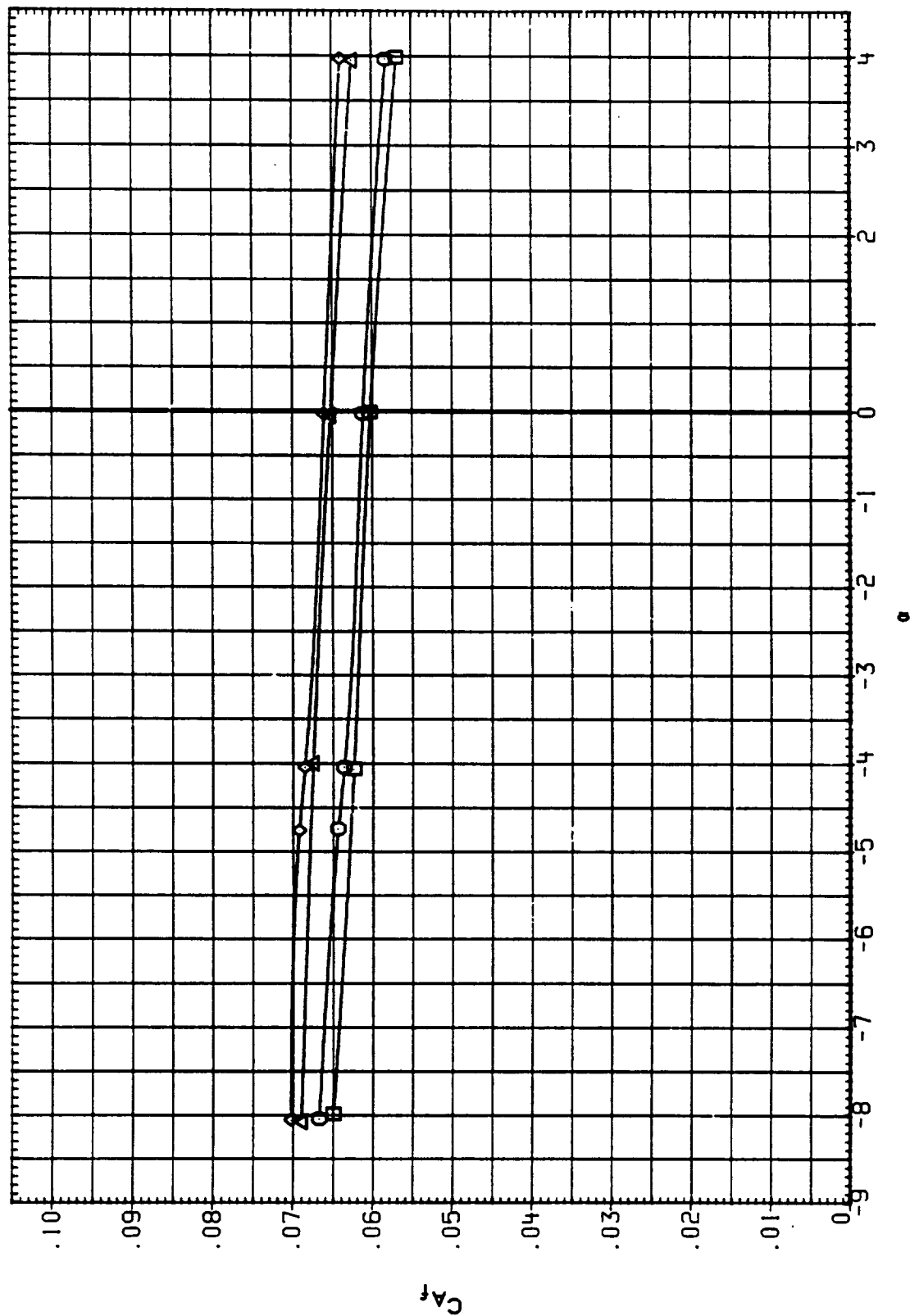


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ATA SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2

1

150
1.150
1.150
1.150

IE-BOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

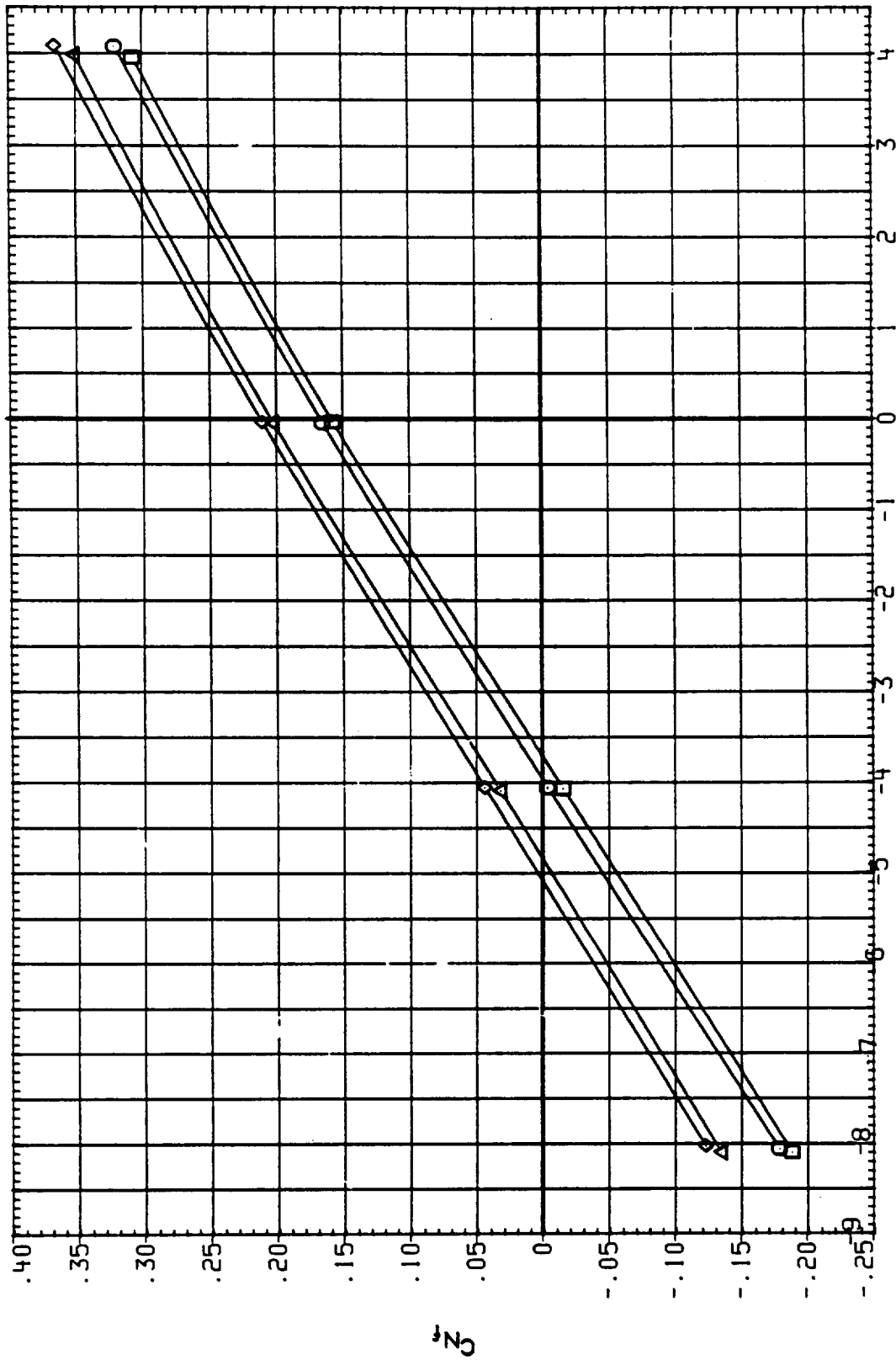


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	OB-ELV
RC0071	○	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	10.000	9.000
RC00A1	□	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	8.000	9.000
RC0086	◇	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	1.150	BOTTOM	10.000	9.000
RC0084	△	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	1.150	BOTTOM	8.000	9.000

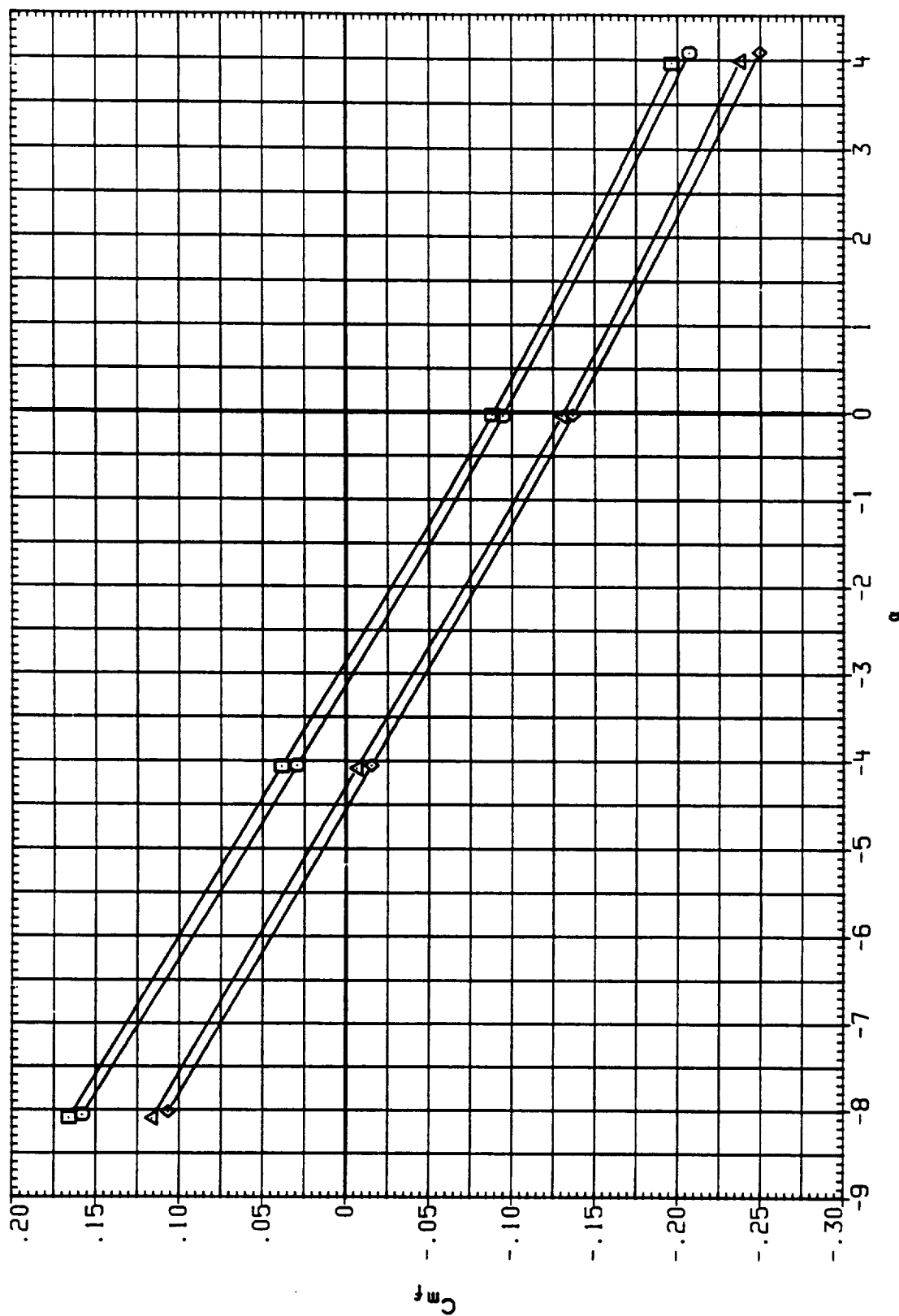


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0071 \square IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
 RC00A1 \diamond IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
 RC00B6 \square IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2
 RC00B4 \triangle IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2

CONFIGURATION

MACH 1.150 1.150 1.150
 IEABOX BOTTOM BOTTOM BOTTOM
 IB-ELV 10.000 8.000 10.000
 OB-ELV 9.000 9.000 9.000

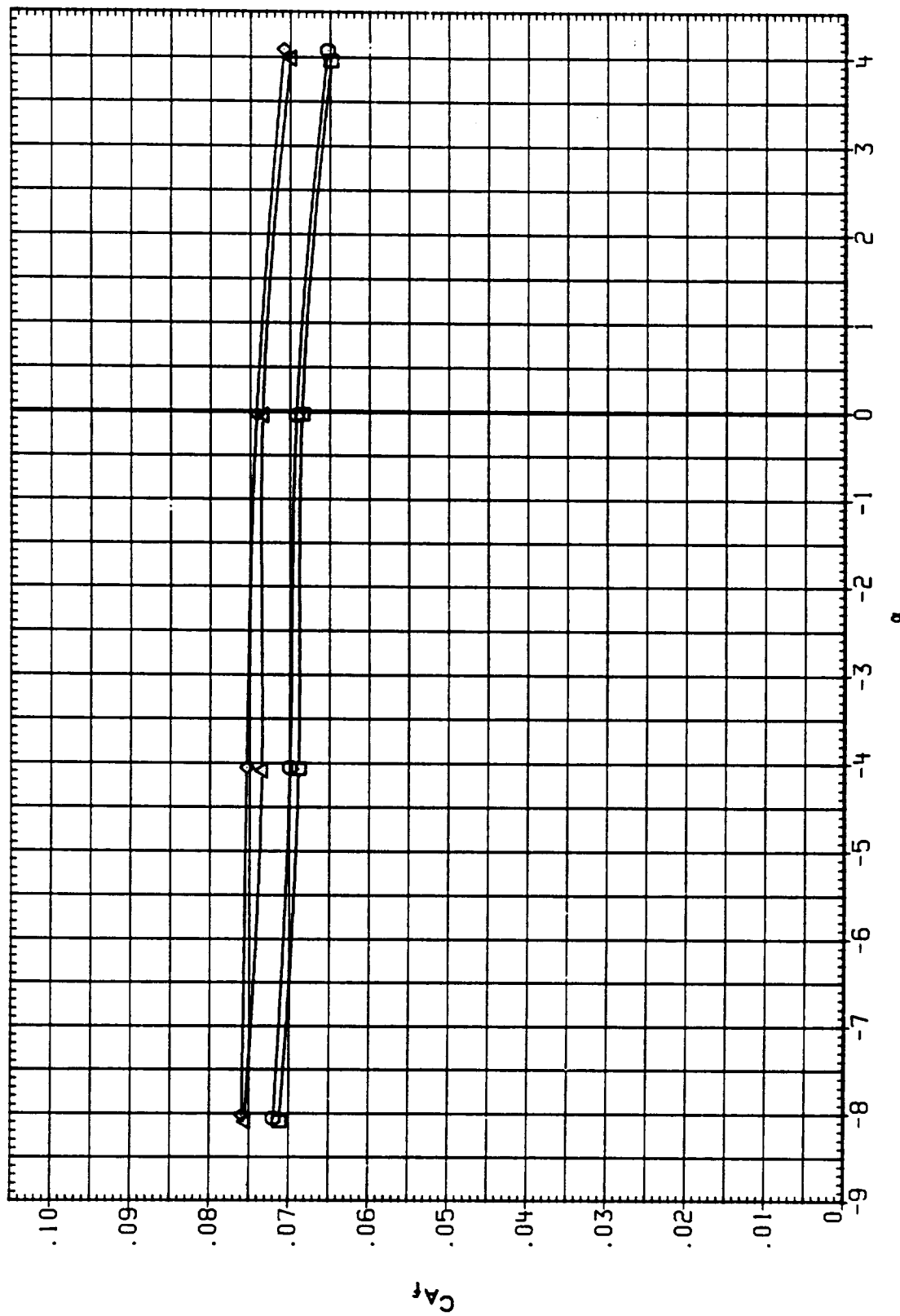


FIG. 6 EFFECT OF ELEVON SCHEDULES
 LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0072	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
RC0042	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	8.000	9.000
RC0087	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.2	1.250	BOTTOM	10.000	9.000
RC0088	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.250	BOTTOM	10.000	5.000
RC0085	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.2	1.250	BOTTOM	8.000	9.000

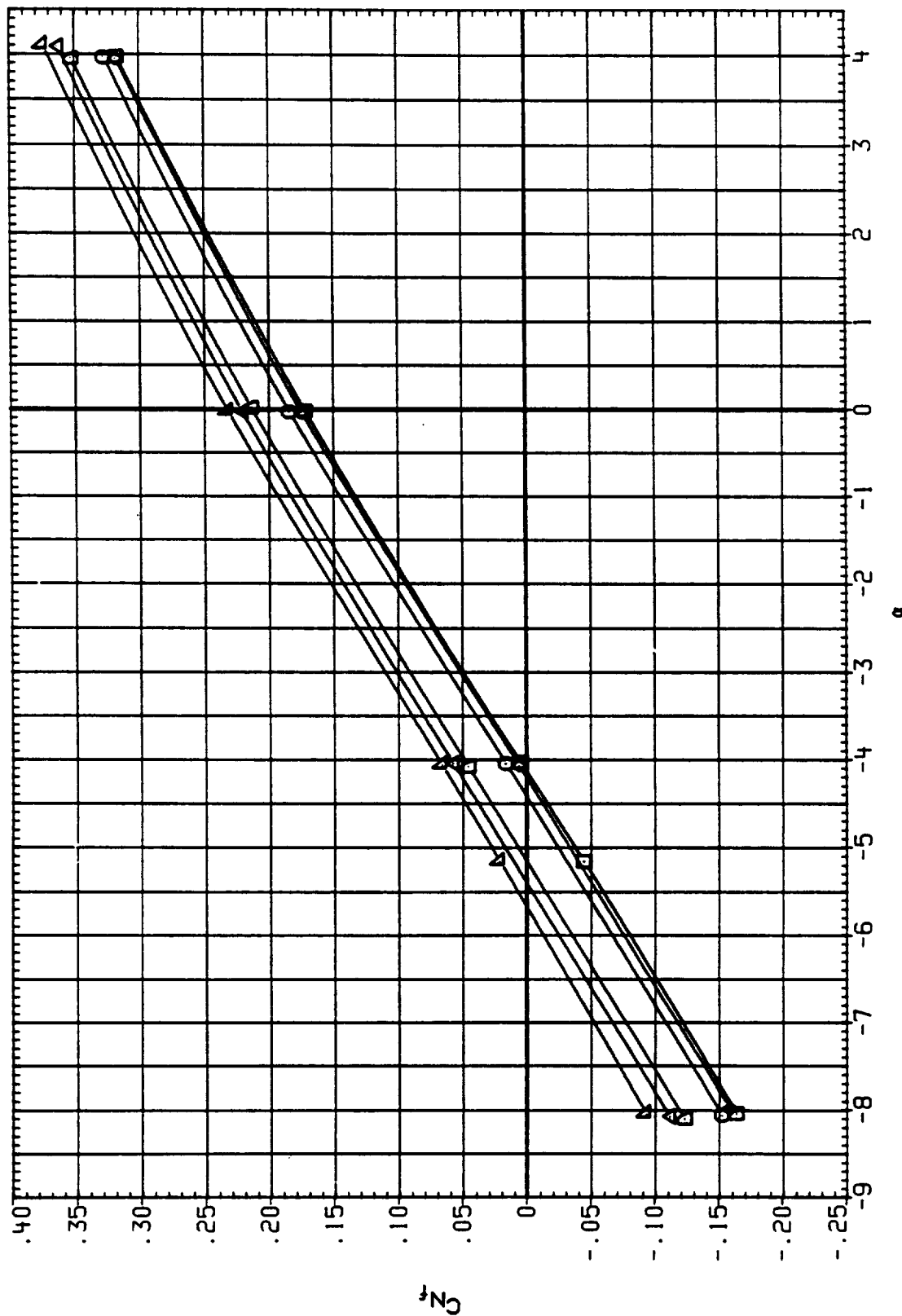


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ATA SET	SYMBOL	CONF IGURATION	I	IEABOX	IB-ELV	OB-ELV
RC0072	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	80T10H	10.000	9.000
RC0073	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	80T10H	10.000	5.000
RC00A2	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	80T10H	10.000	9.000
RC00B7	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.2	1.250	80T10H	10.000	9.000
RC00B8	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.3	1.250	80T10H	10.000	5.000
RC00B5	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.2	1.250	80T10H	8.000	9.000

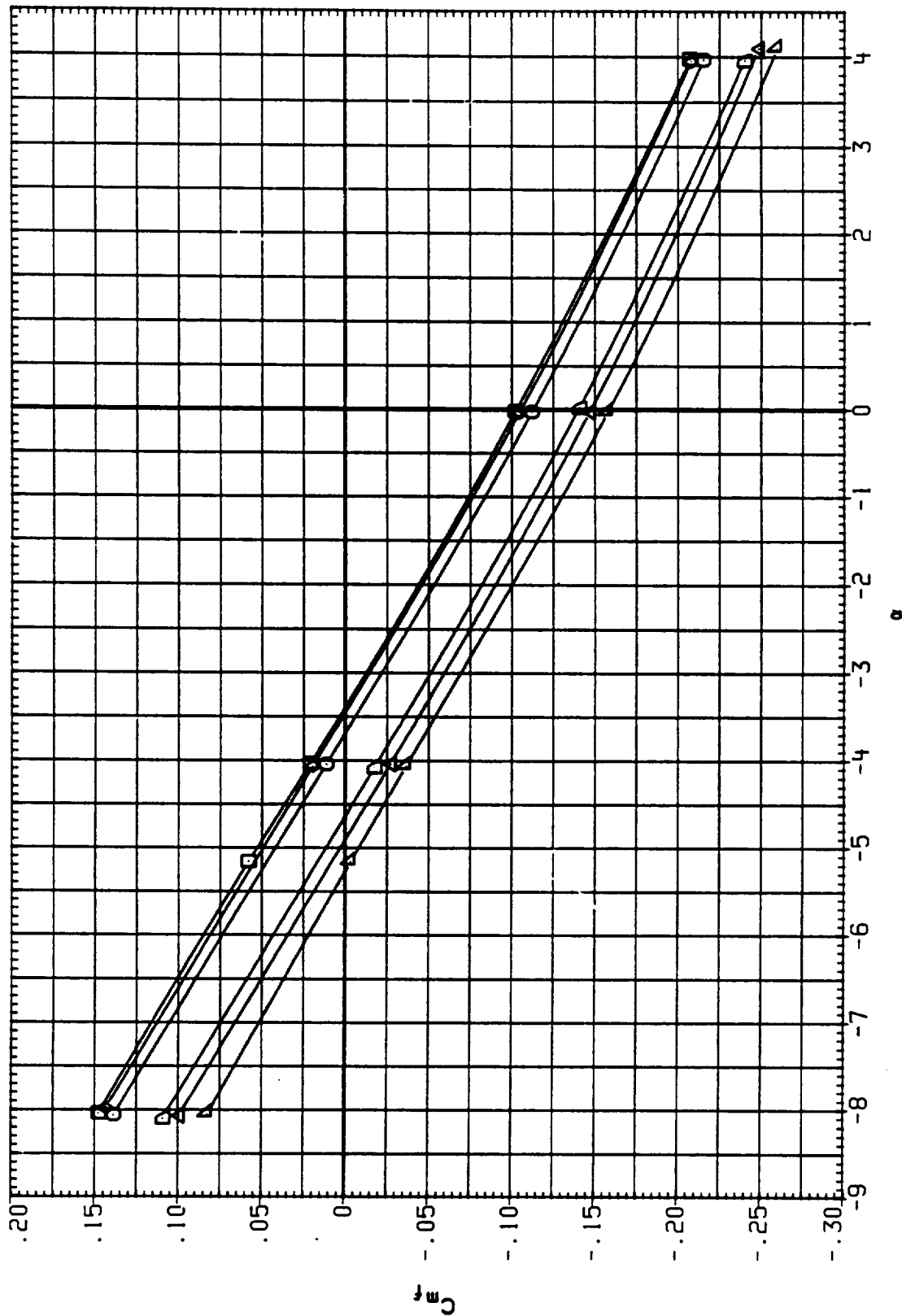


FIG. 6 EFFECT OF ELEVEN SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0072	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	5.000
RC00A2	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0087	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	1.250	BOTTOM	10.000	9.000
RC0088	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.250	BOTTOM	10.000	5.000
RC0085	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	1.250	BOTTOM	8.000	9.000

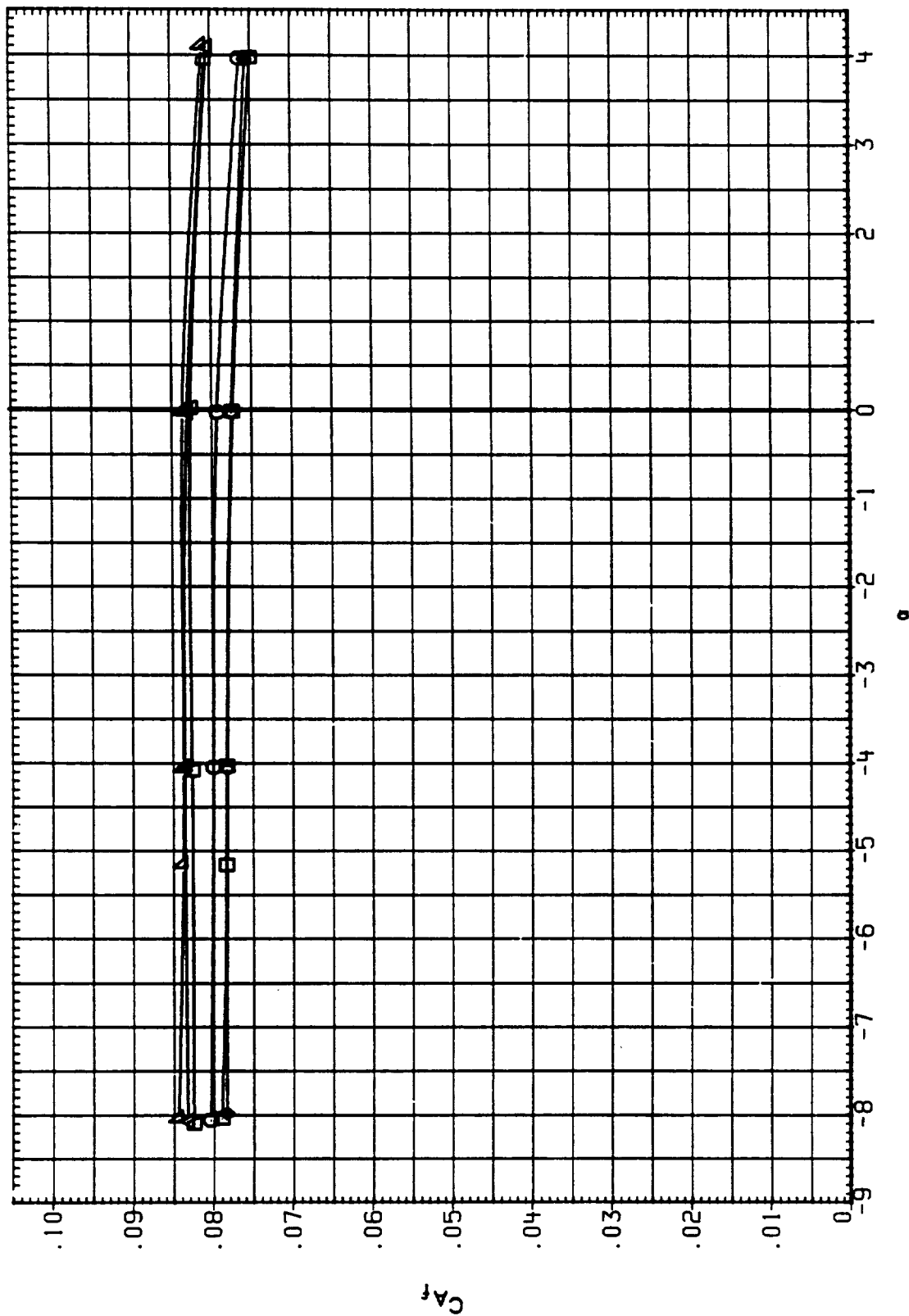


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0074	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
RC0084	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
RC0089	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.300	BOTTOM	10.000	5.000
RC0087	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.300	BOTTOM	8.000	5.000

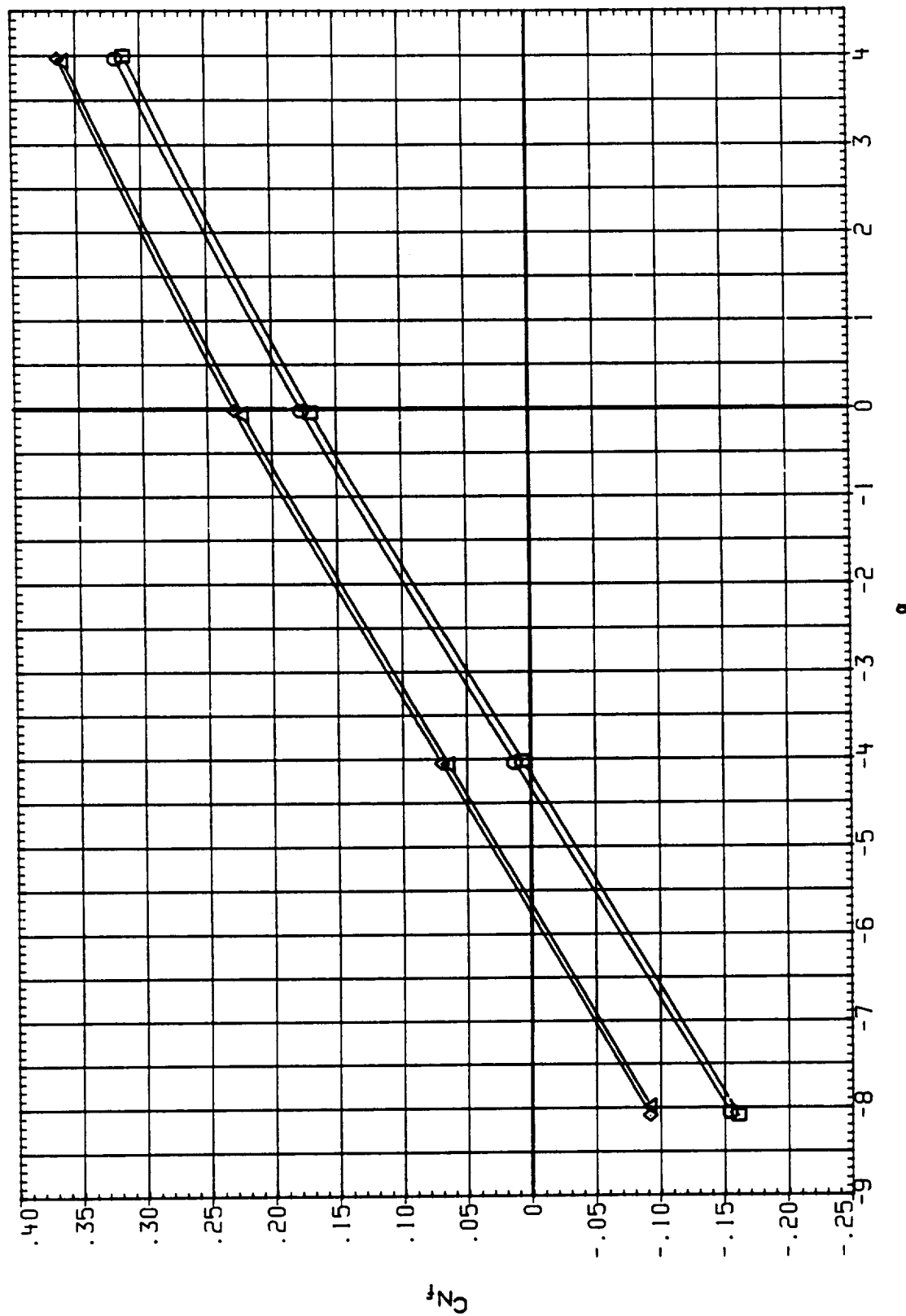


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0074
RC0089
RC0087

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3

MACH

1.300
1.300
1.300

1EABOX

BOTTOM
BOTTOM
BOTTOM

1B-ELV

10.000
8.000
10.000

OB-ELV

5.000
5.000
5.000

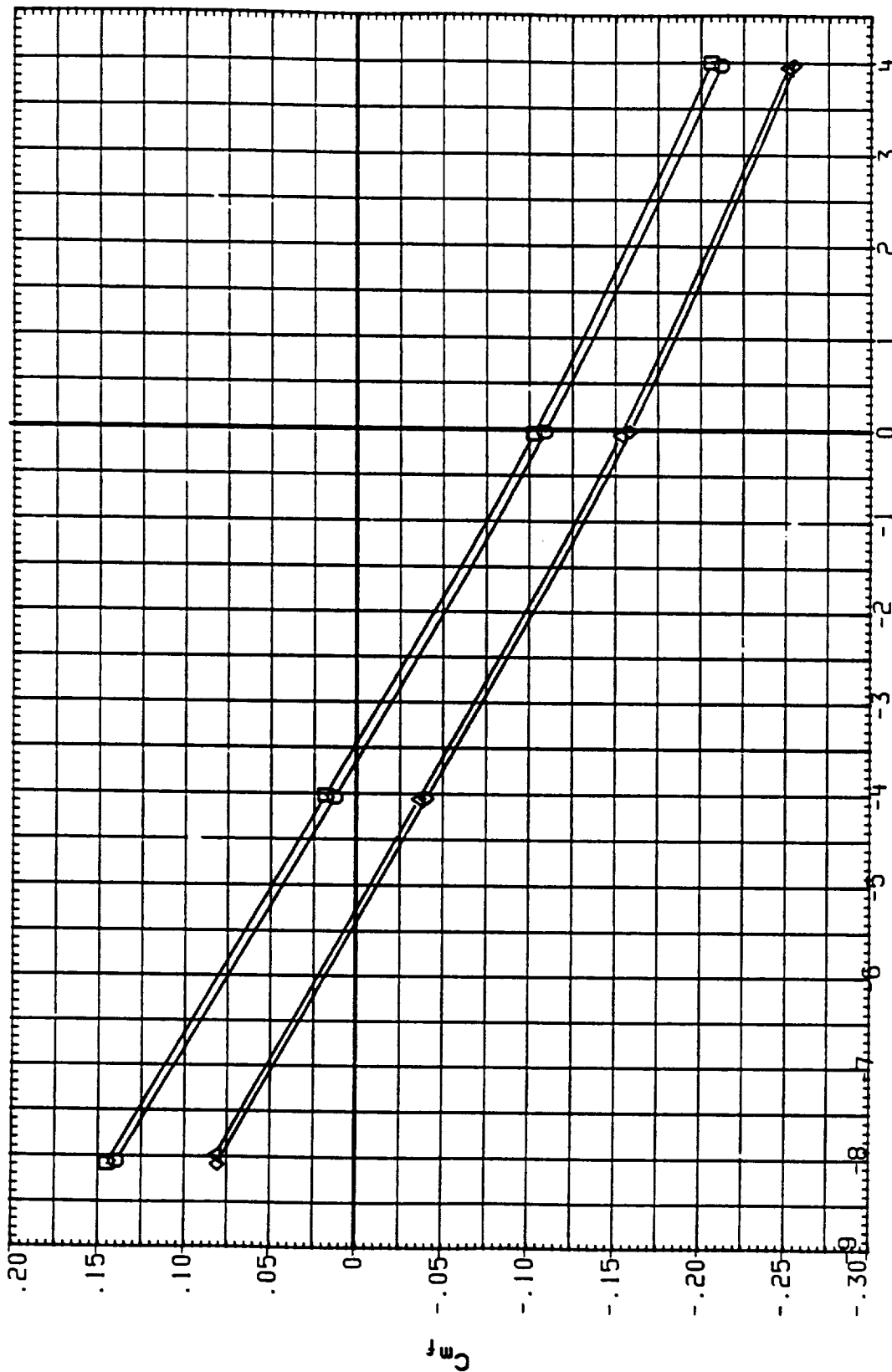


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0074
RC0044
RC0089
RC0087

□
◇
△

CONFIGURATION

IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OF
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OF F
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.3

MACH

1.300
1.300
1.300
1.300

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

5.000
5.000
5.000
5.000

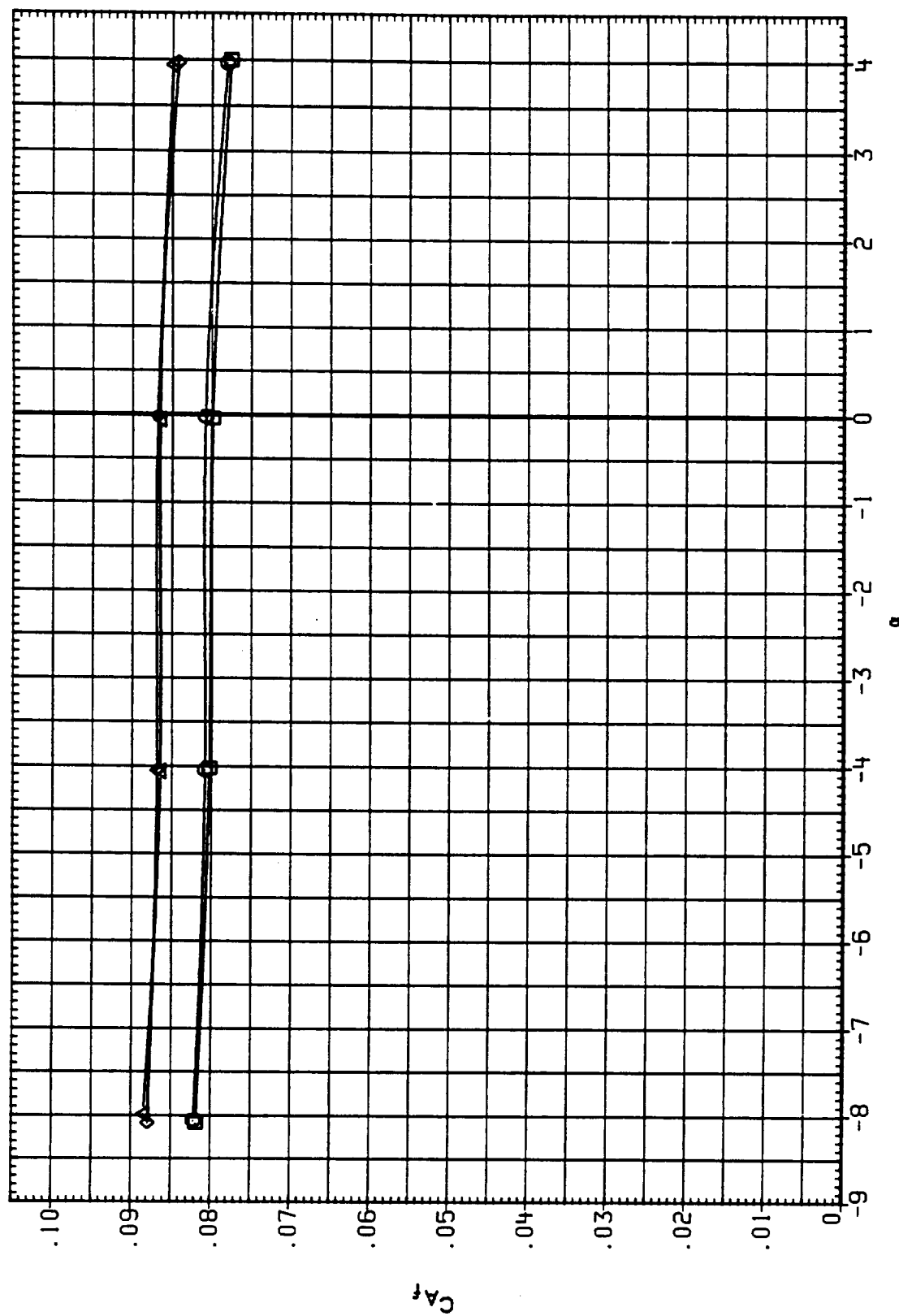


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E4BOX	1B-ELV	0B-ELV
RC0075	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
RC00A5	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
RC0090	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3	1.350	BOTTOM	10.000	5.000
RC0088	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3	1.350	BOTTOM	8.000	5.000

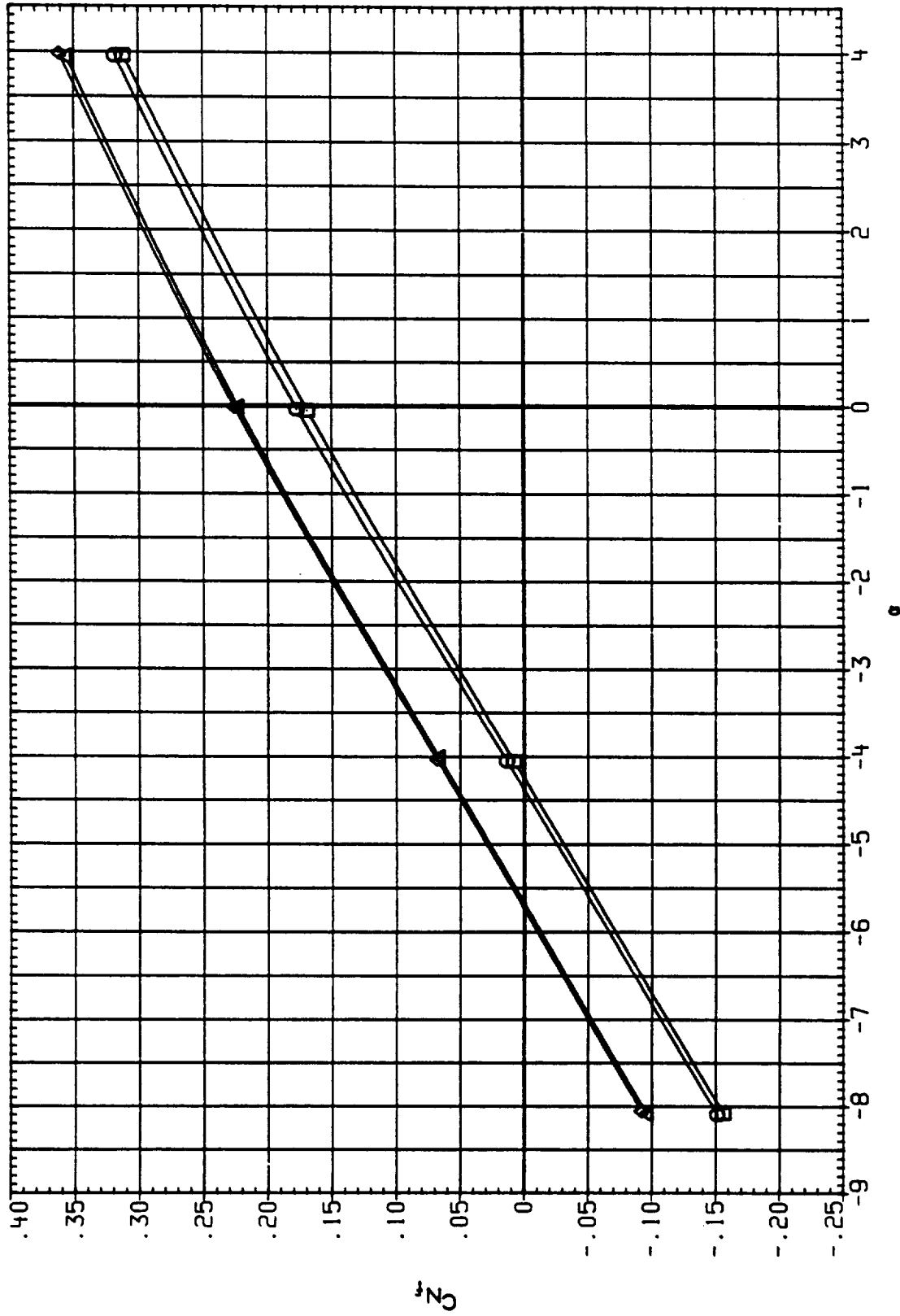


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONF (GURATION	H	1E-BOX	1B-ELV	CB-ELV
RC0075	□	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	350	BOTTOM	10.000	5.000
RC00A5	□	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
RC0090	◇	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
RC0088	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

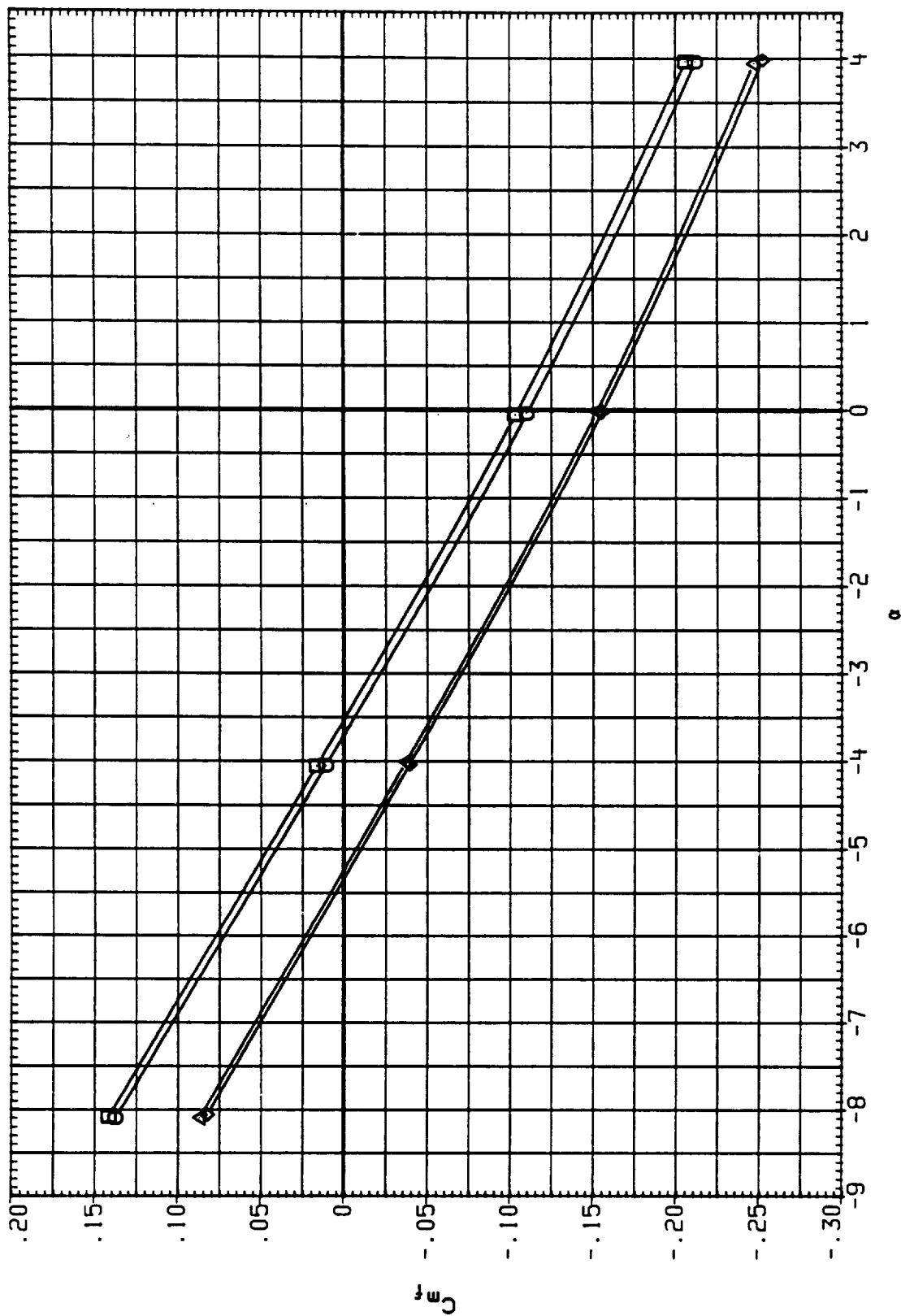


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0075	1A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
RC00A5	1A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
RC0090	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
RC00B8	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

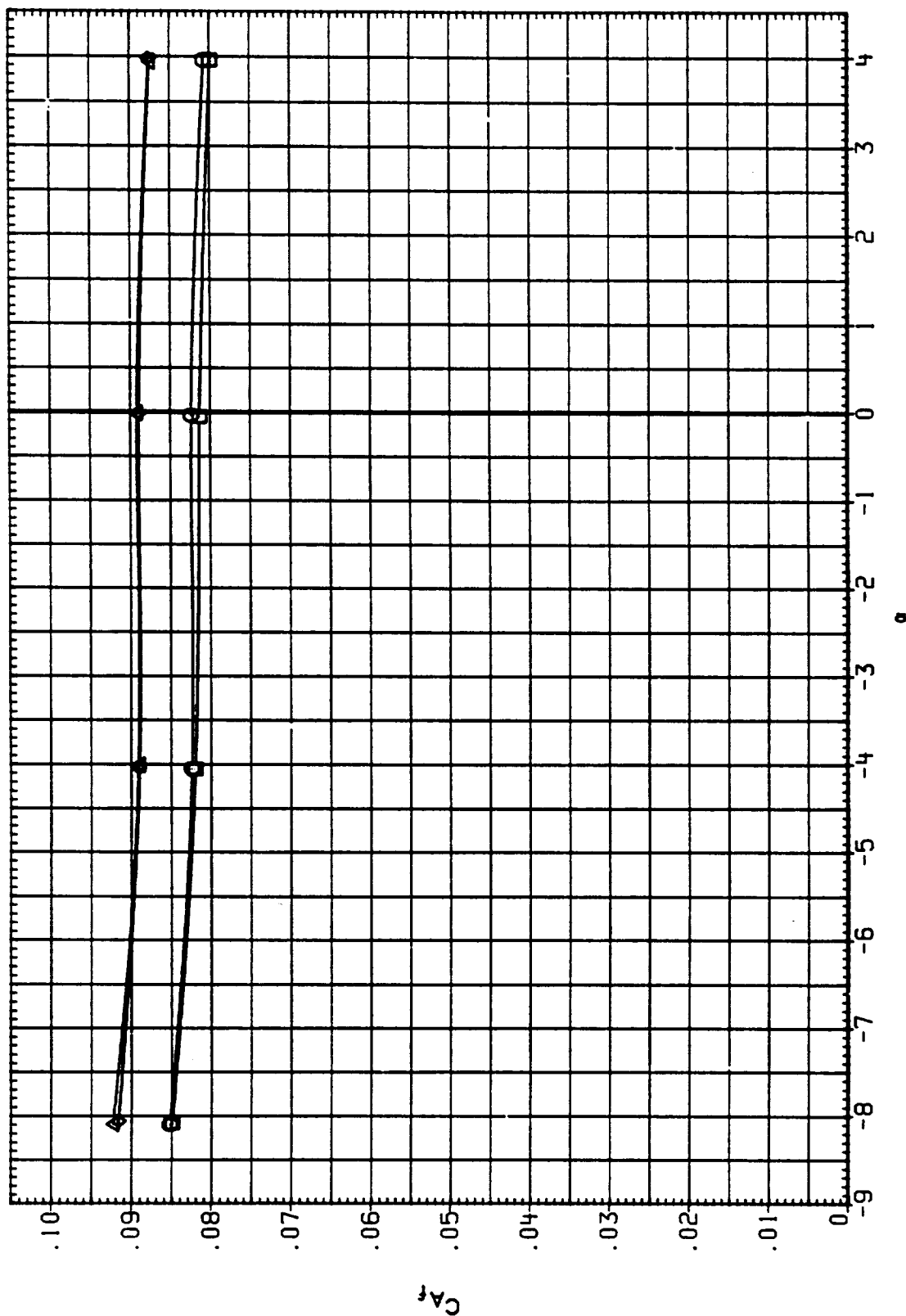


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

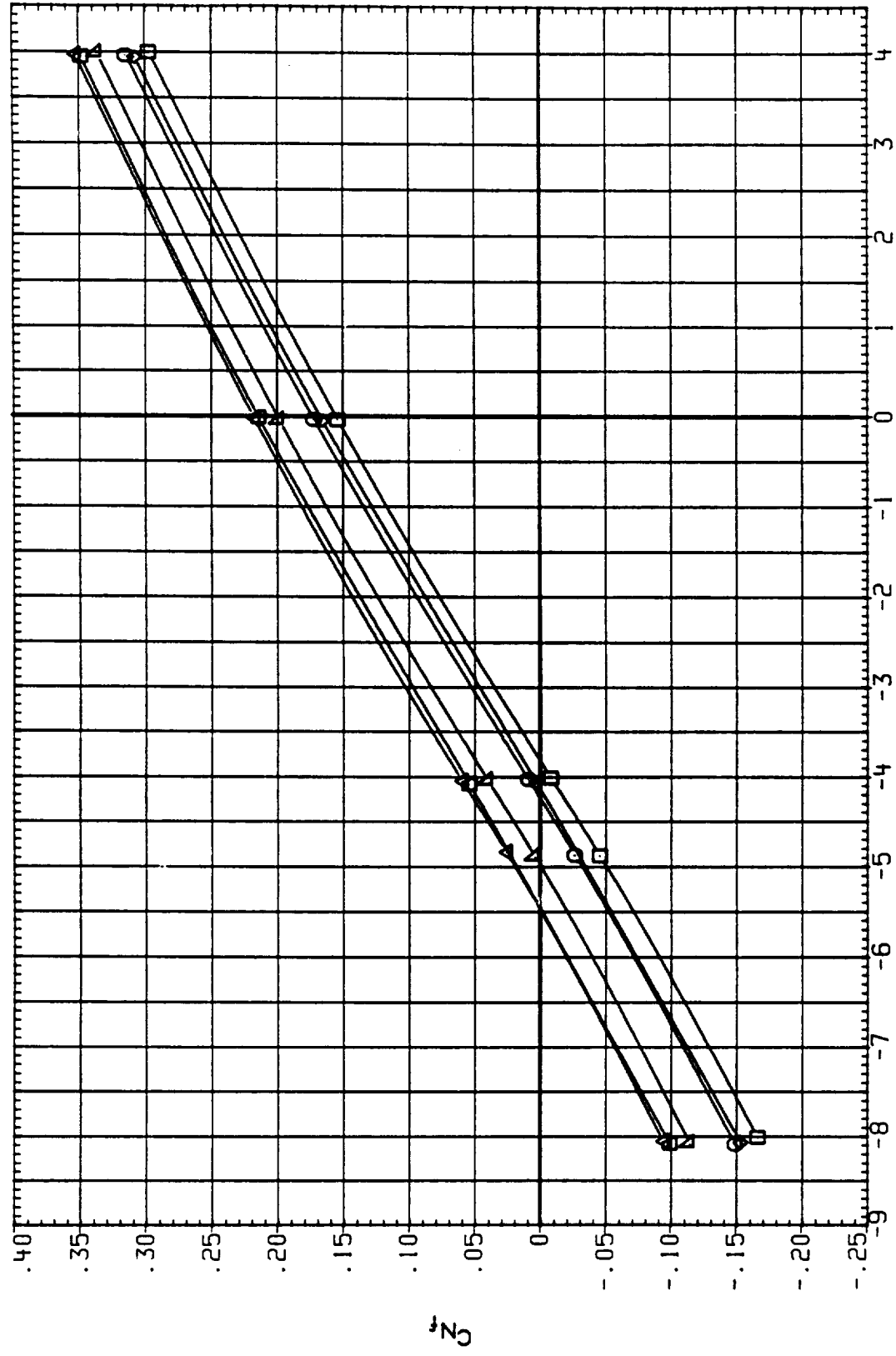
DATA SET 54730L

CONFIDENCE

RC0076
RC0078
RC00A6
RC0091
RC0093
RC0089

1A613A1AEDC 16TF-829) B/L OT + ASRM. P OFF
1A613A1AEDC 16TF-829) B/L OT + ASRM. P OFF
1A613A1AEDC 16TF-829) B/L OT + ASRM. P OFF
1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3
1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3
1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

1.400 1.400 1.400 1.400 1.400 1.400
BOTTOM BOTTOM BOTTOM BOTTOM BOTTOM BOTTOM
10.000 10.000 10.000 10.000 10.000 10.000
5.000 5.000 5.000 5.000 5.000 5.000



0

FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEVEL	RECON	RECON
RC0076	□	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0078	◇	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
RC00A6	△	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES OFF	1.400	BOTTOM	8.000	5.000
RC0091	△	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES 51.3	1.400	BOTTOM	10.000	5.000
RC0093	△	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES 51.3	1.400	BOTTOM	10.000	-5.000
RC0089	△	IA613A(AEDC 161F-829) B/L OT • ASRM, PLUMES 51.3	1.400	BOTTOM	8.000	5.000

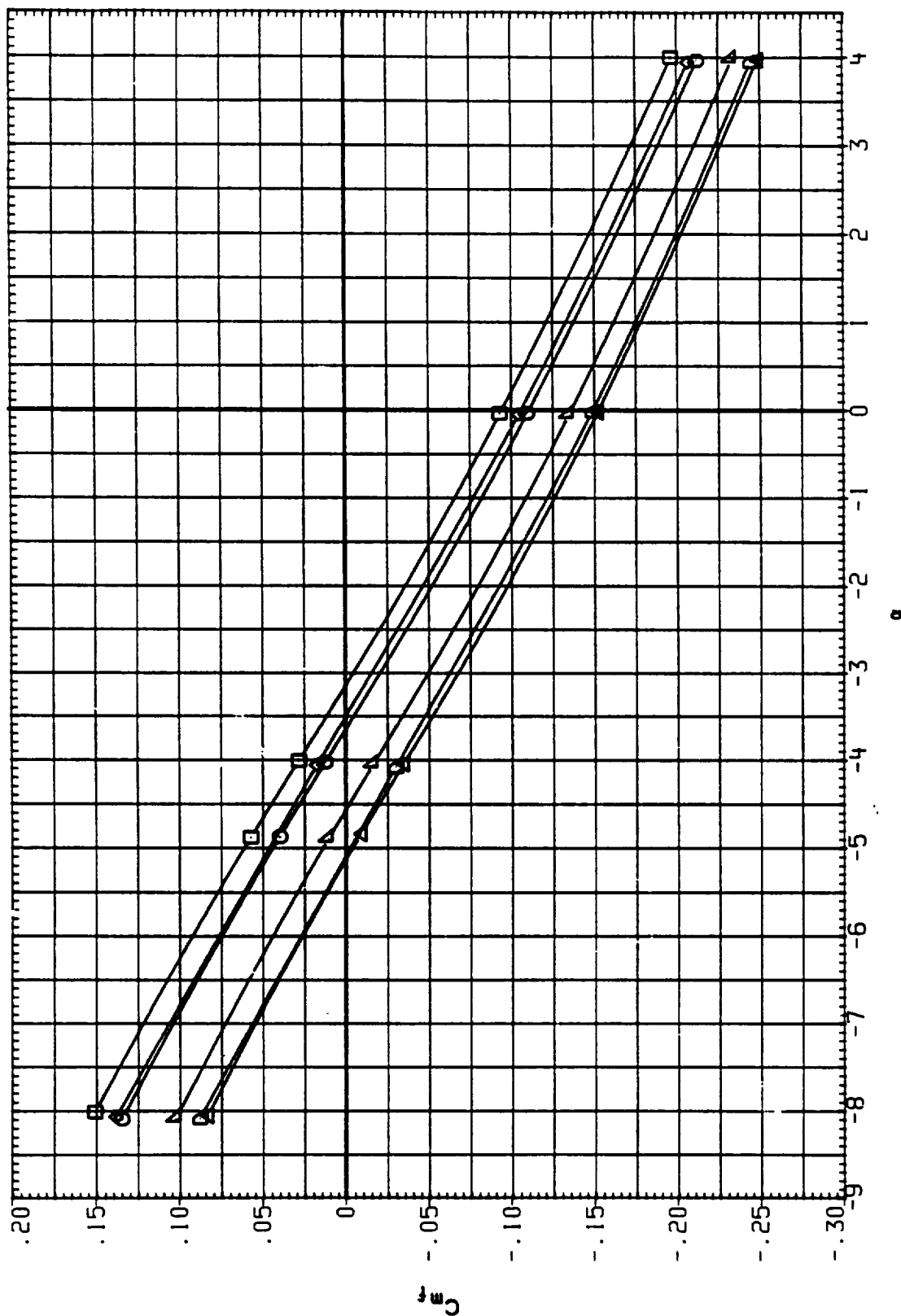


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	WAVE	TABLE	TABLE	TABLE
RC0076	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000
RC0078	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000
RC00A6	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000
RC0091	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000
RC0093	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000
RC00B9	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	1.400	10.000	10.000	5.000

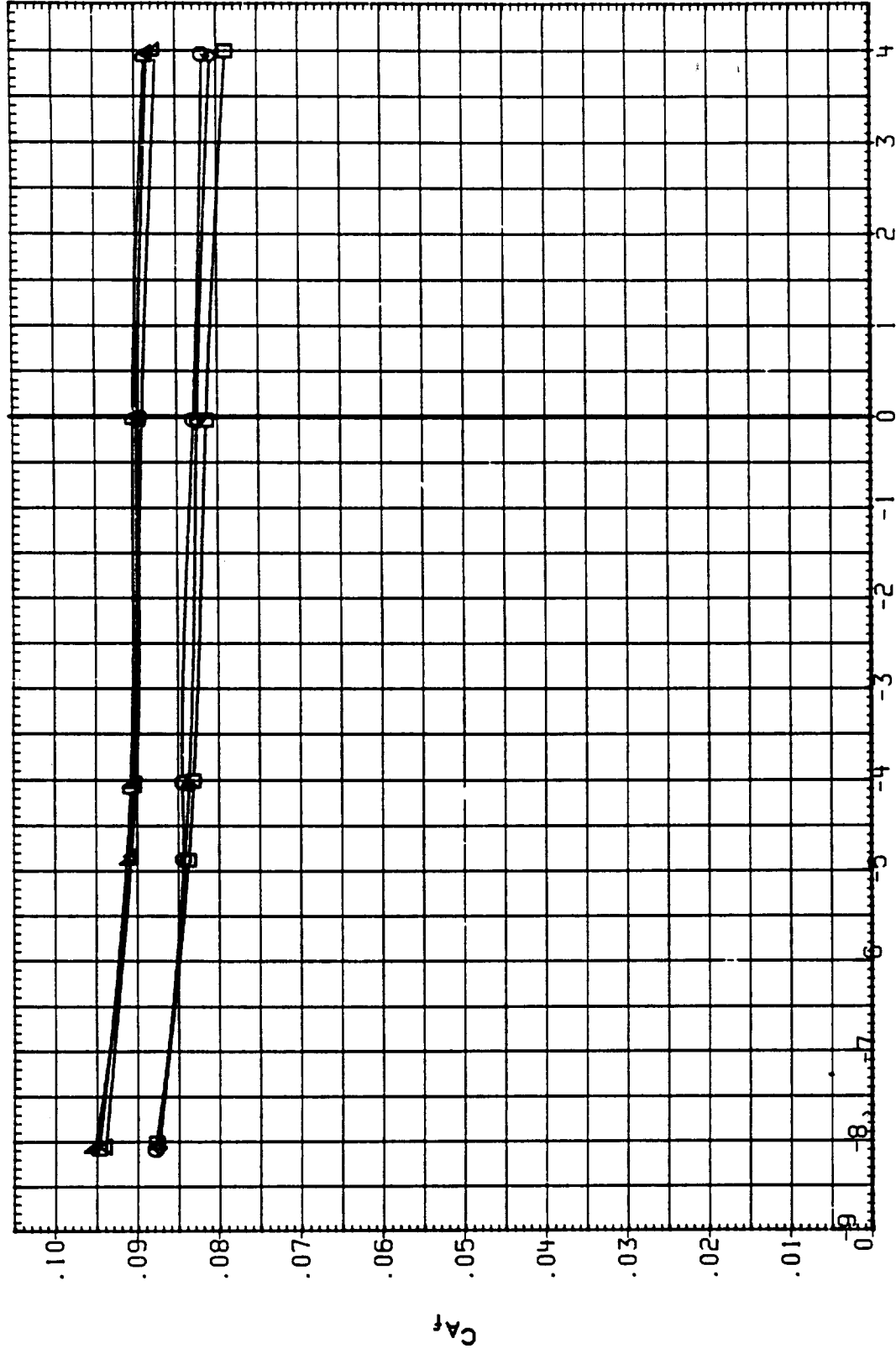


FIG. 6 EFFECT OF ELEVEN SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0077	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
RC00A7	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	10.000	5.000
RC0094	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	10.000	-5.000
RC00C0	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	8.000	5.000

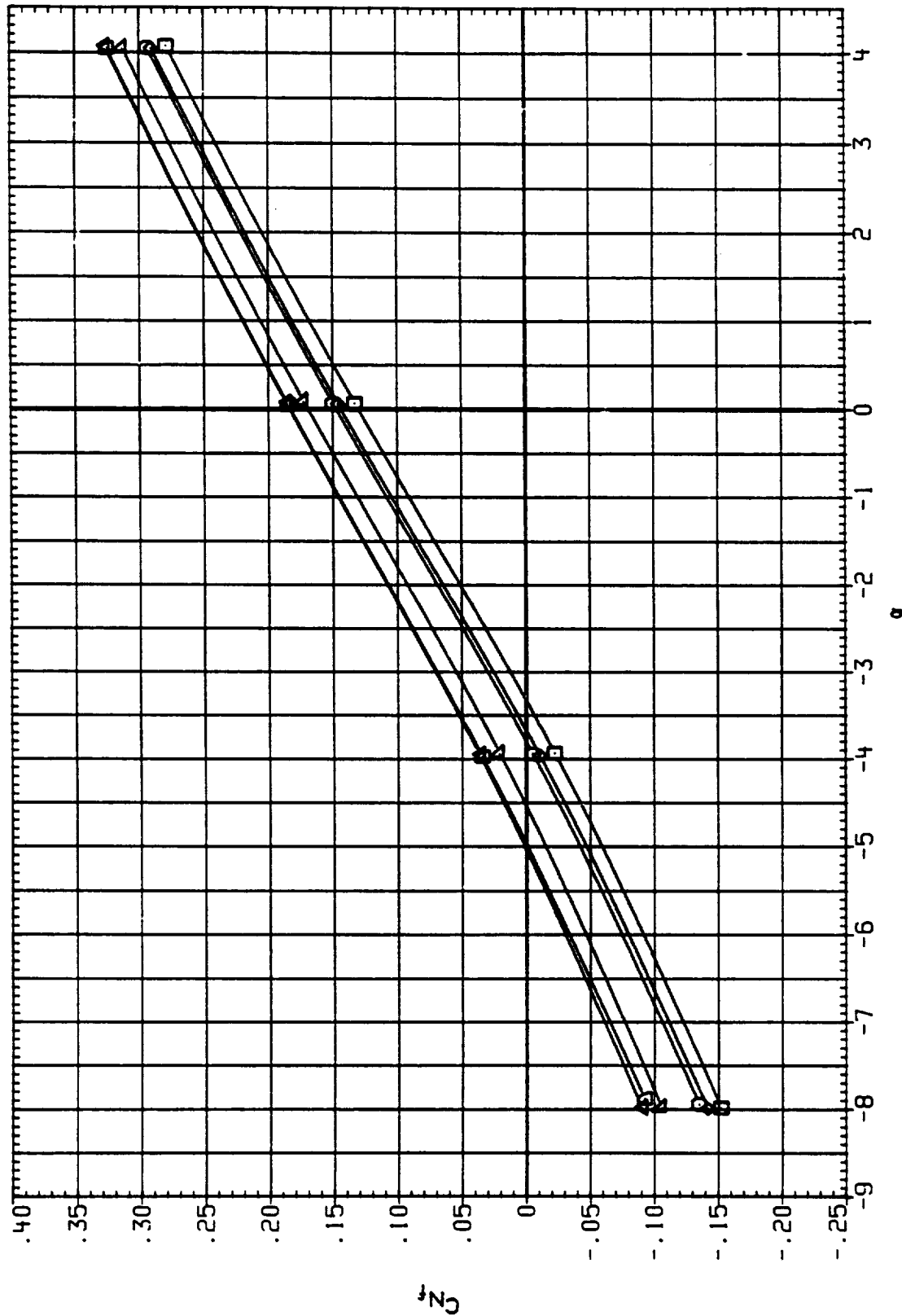


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	OB-ELV
RC0077	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
RC00A7	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	10.000	5.000
RC0094	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	10.000	-5.000
RC00C0	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	BOTTOM	8.000	5.000

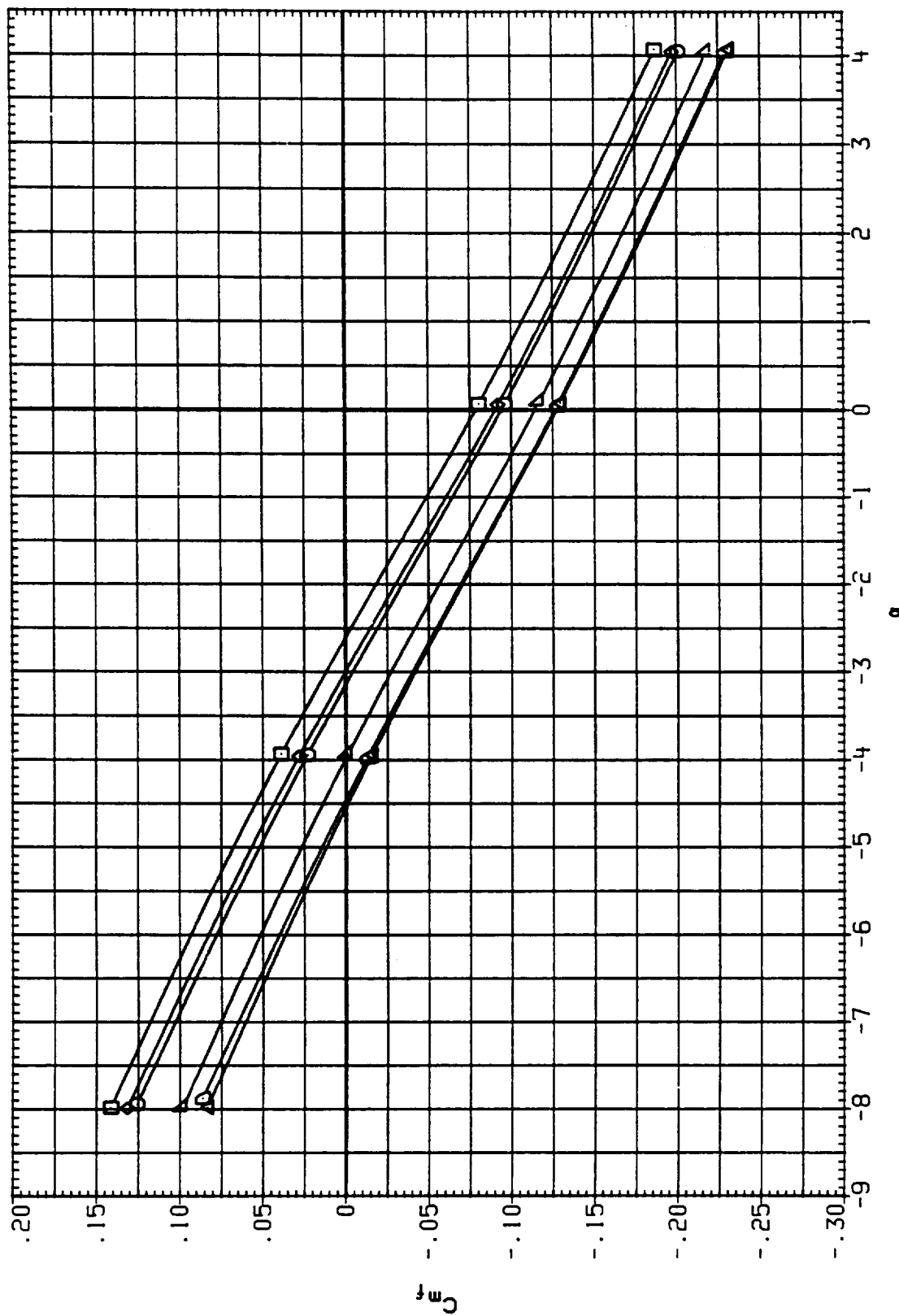


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

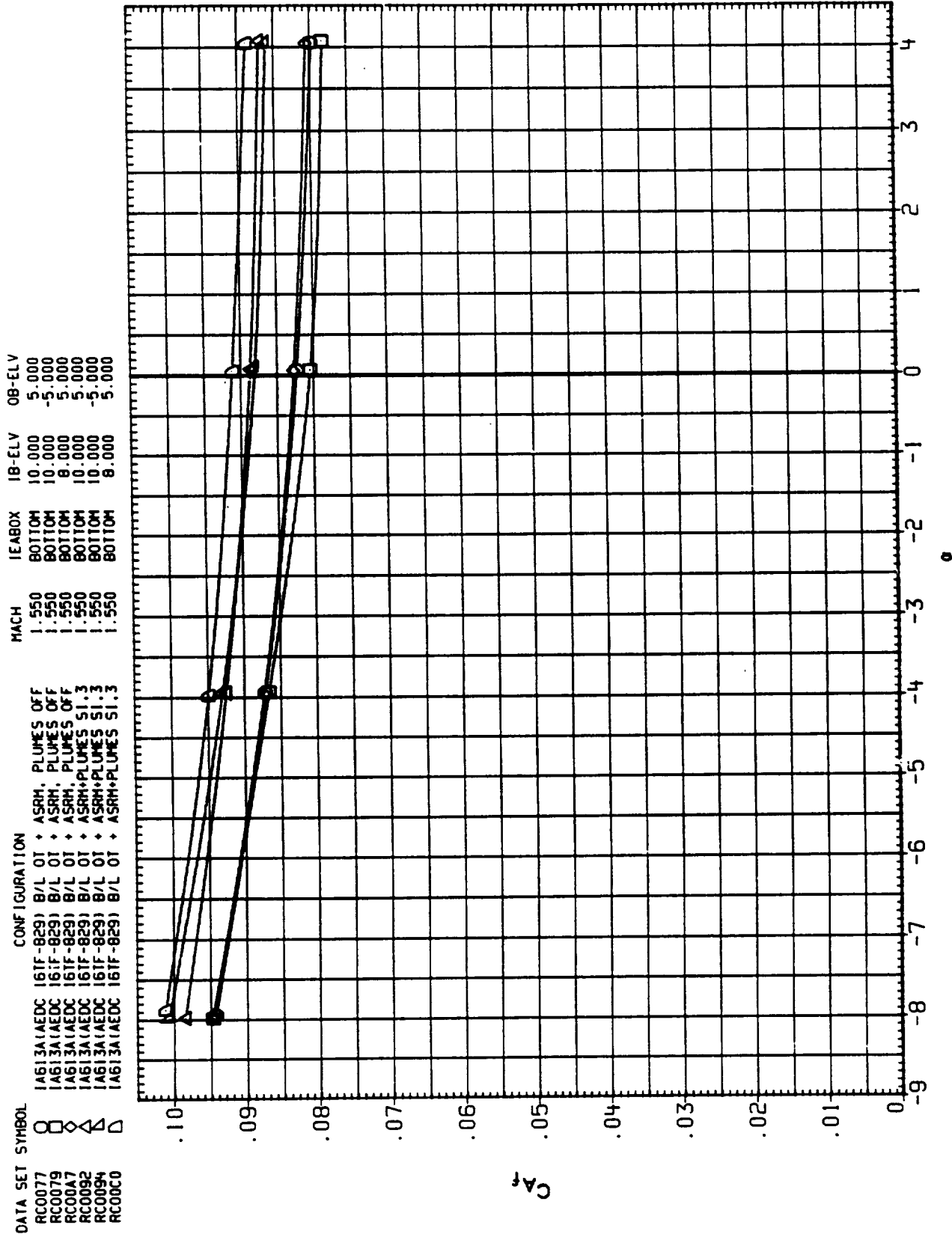


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE/BOX	IB-ELV	OB-ELV
SC0065	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES 51.2	.600	BOTTOM	10.000	9.000
SC00AB	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES 51.2	.600	BOTTOM	8.000	9.000

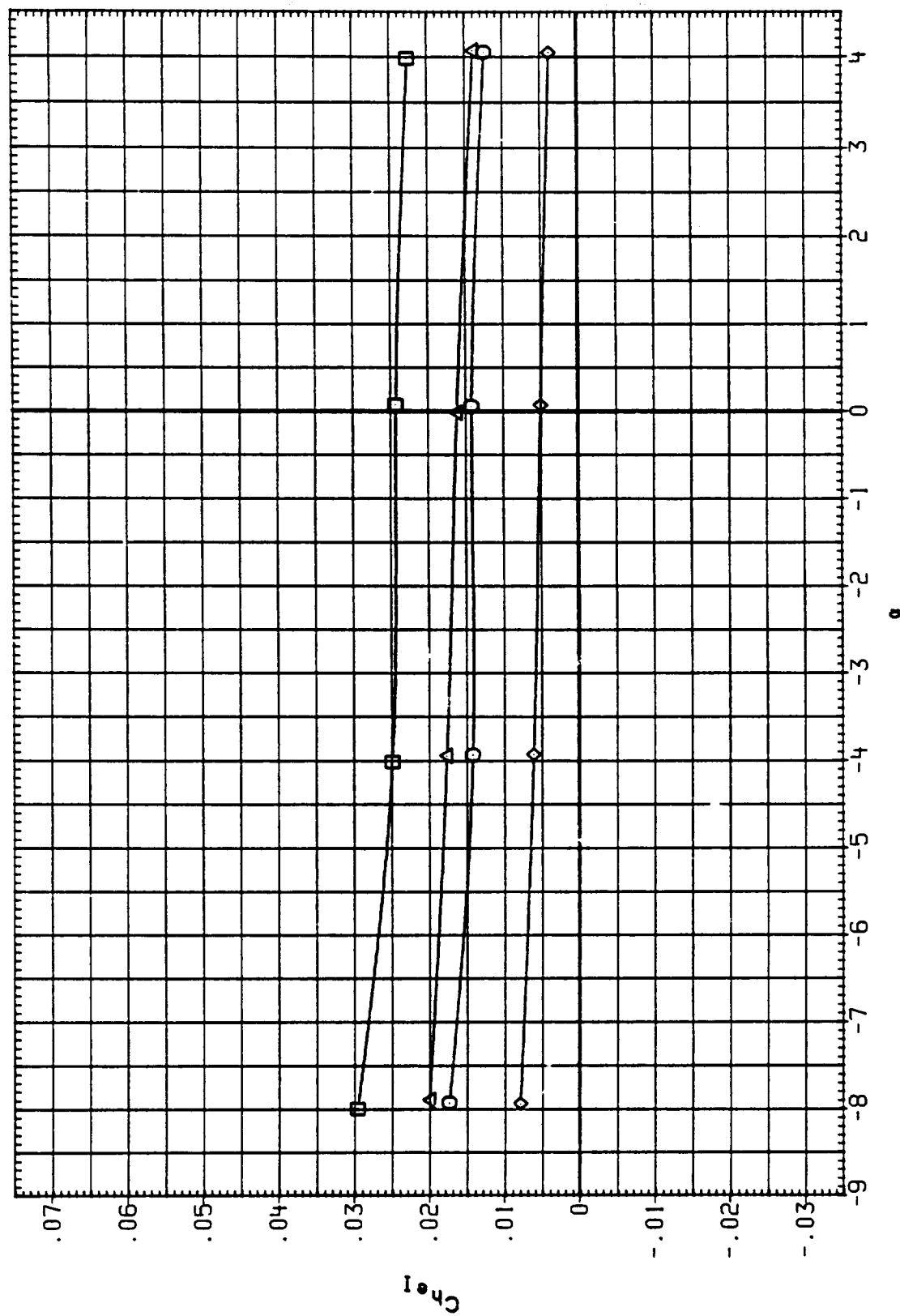


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0065	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00AB	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.600	BOTTOM	8.000	9.000

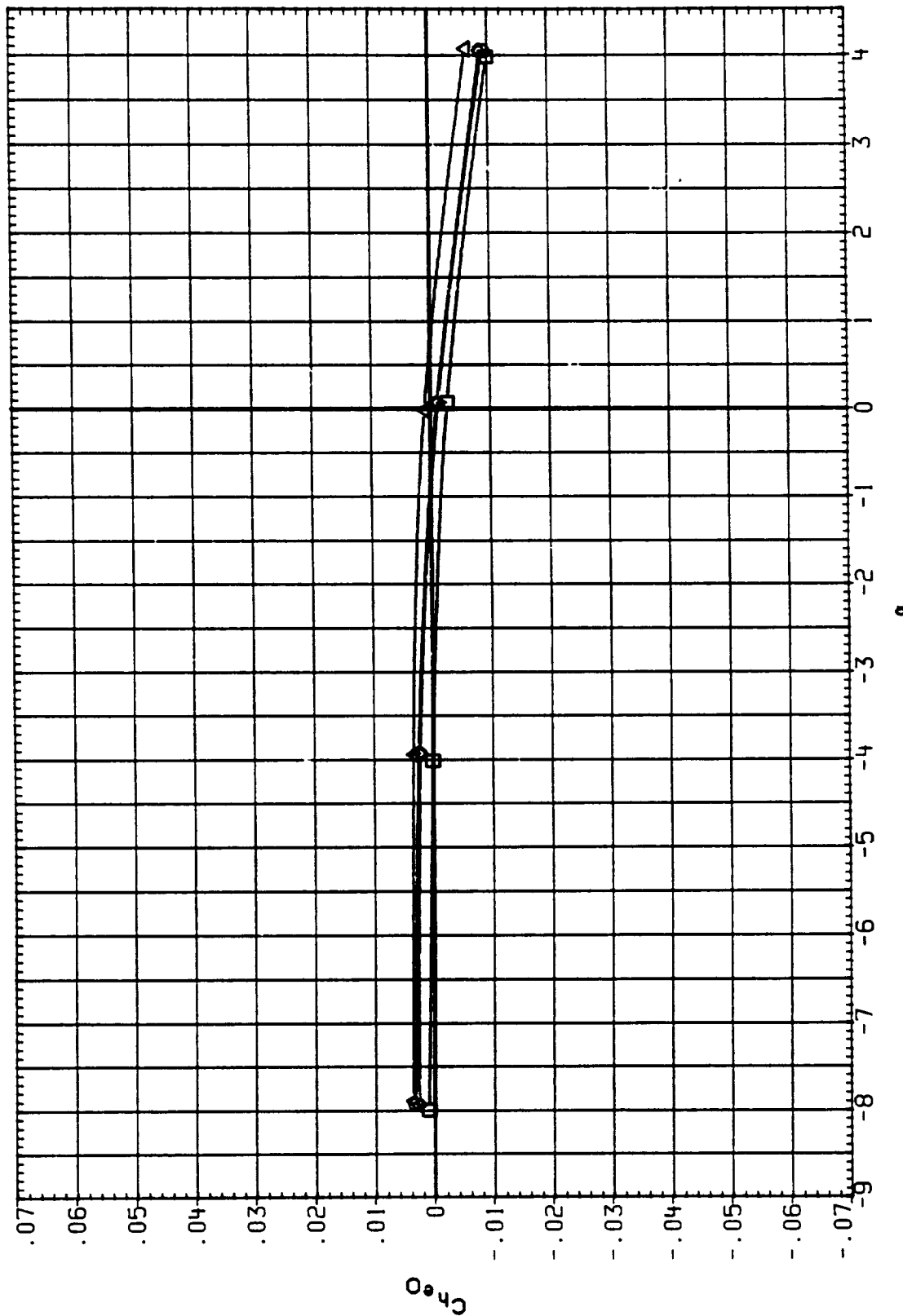


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	OB-ELV
SC0065	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0080	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.600	BOTTOM	10.000	9.000
SC00AB	1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.600	BOTTOM	10.000	9.000

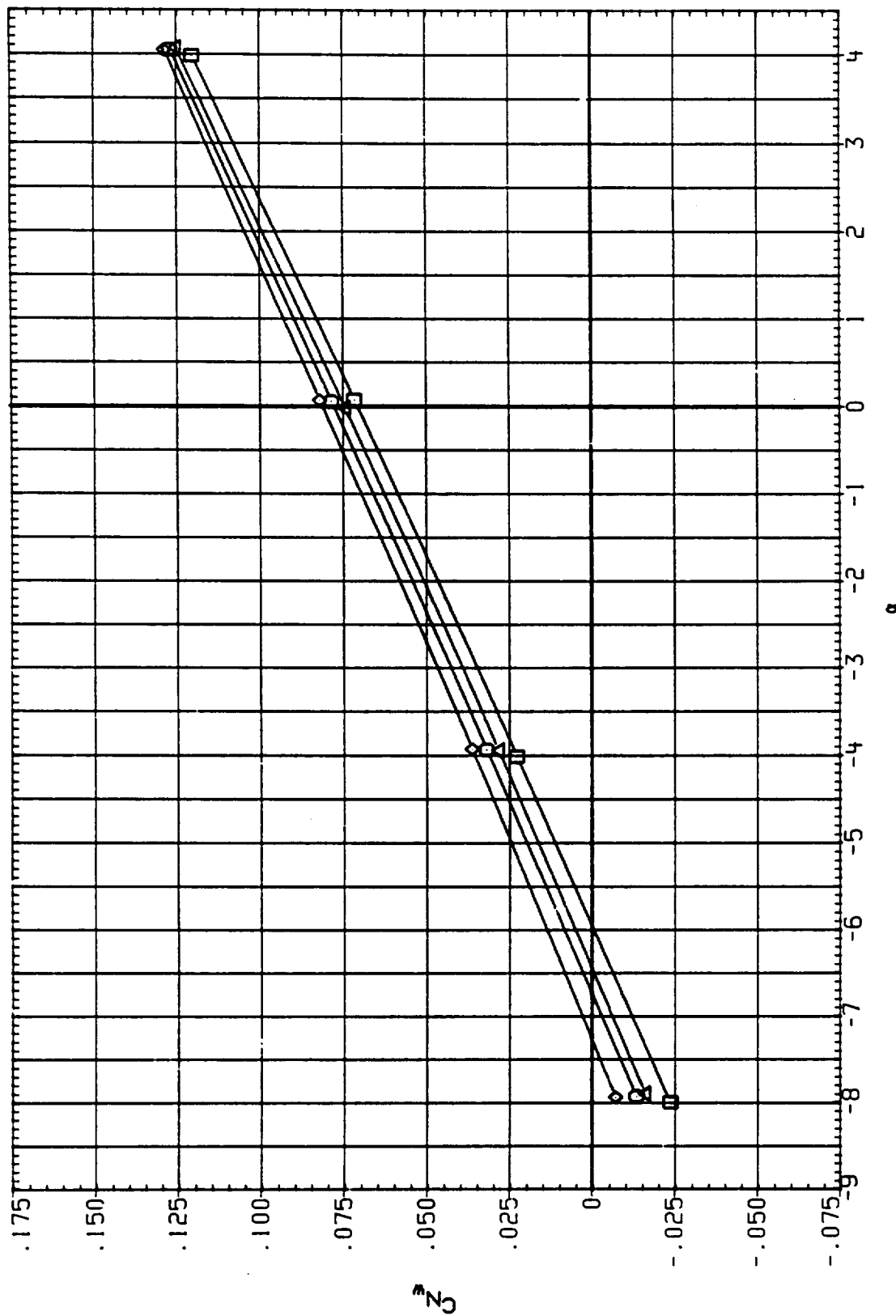


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0085	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00A8	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

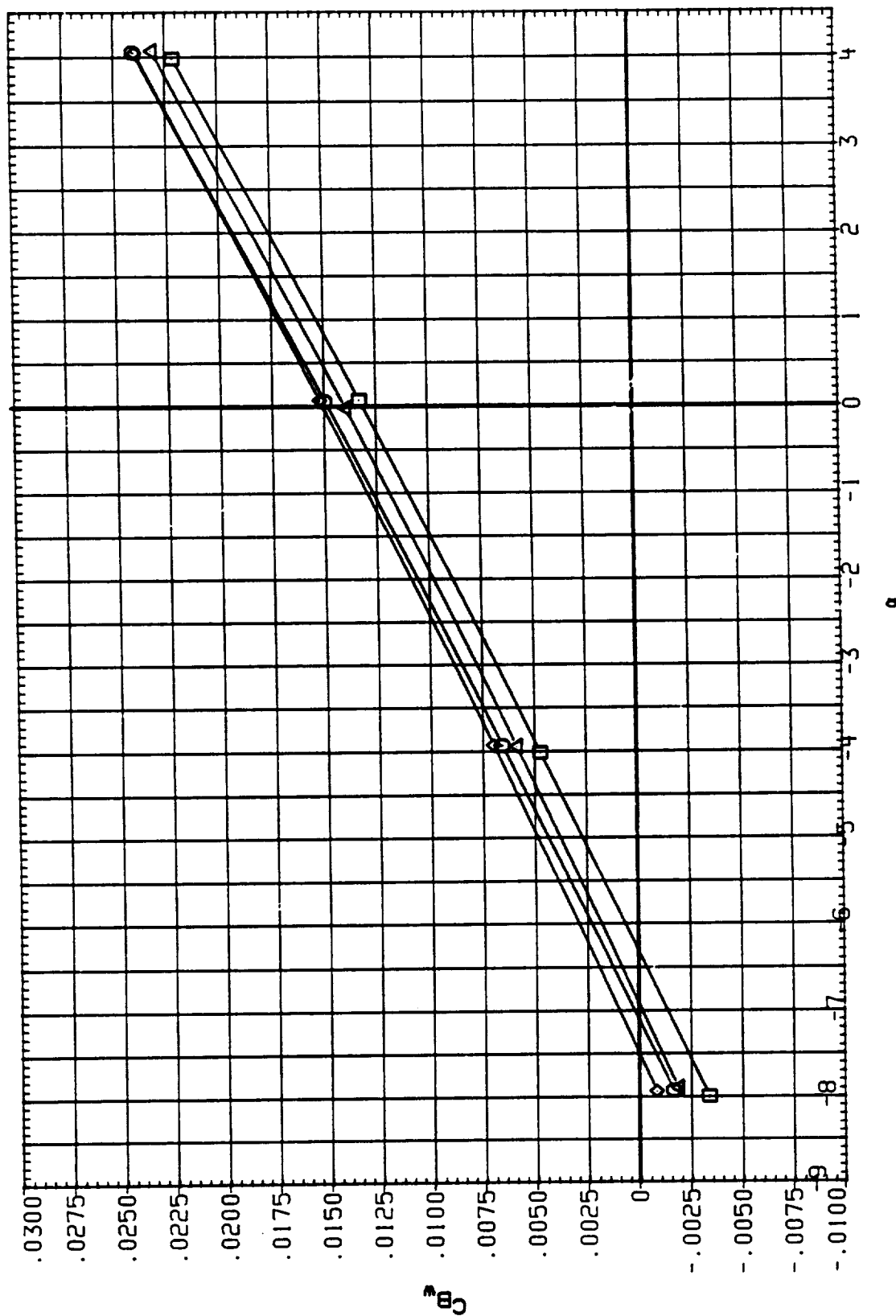


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0065	□	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUNES	.600	BOTTOM	10.000	9.000
SC0095	□	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUNES OFF	.600	BOTTOM	8.000	9.000
SC0080	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2	.600	BOTTOM	10.000	9.000
SC0048	△	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2	.600	BOTTOM	8.000	9.000

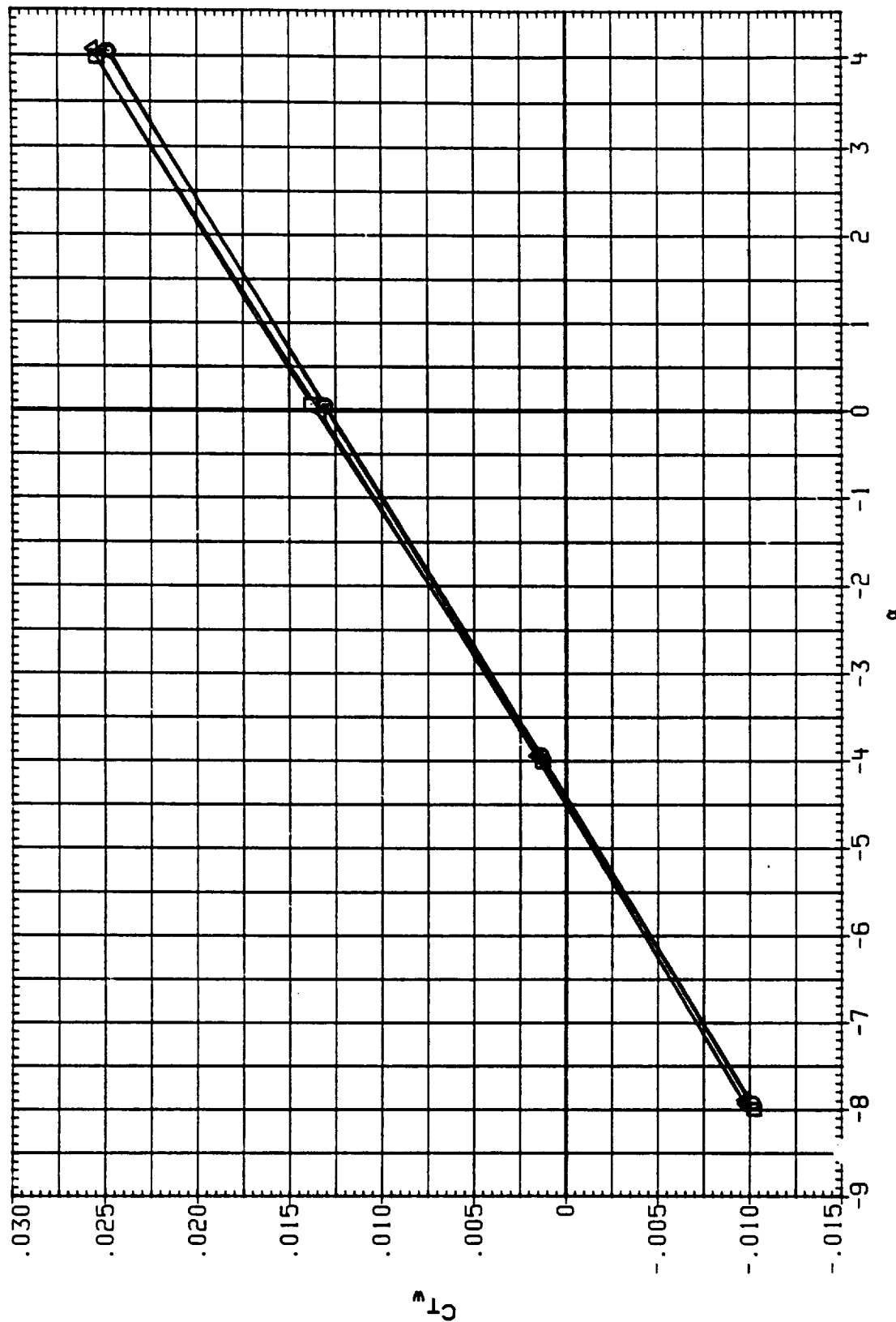


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0066	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
SC00A9	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000

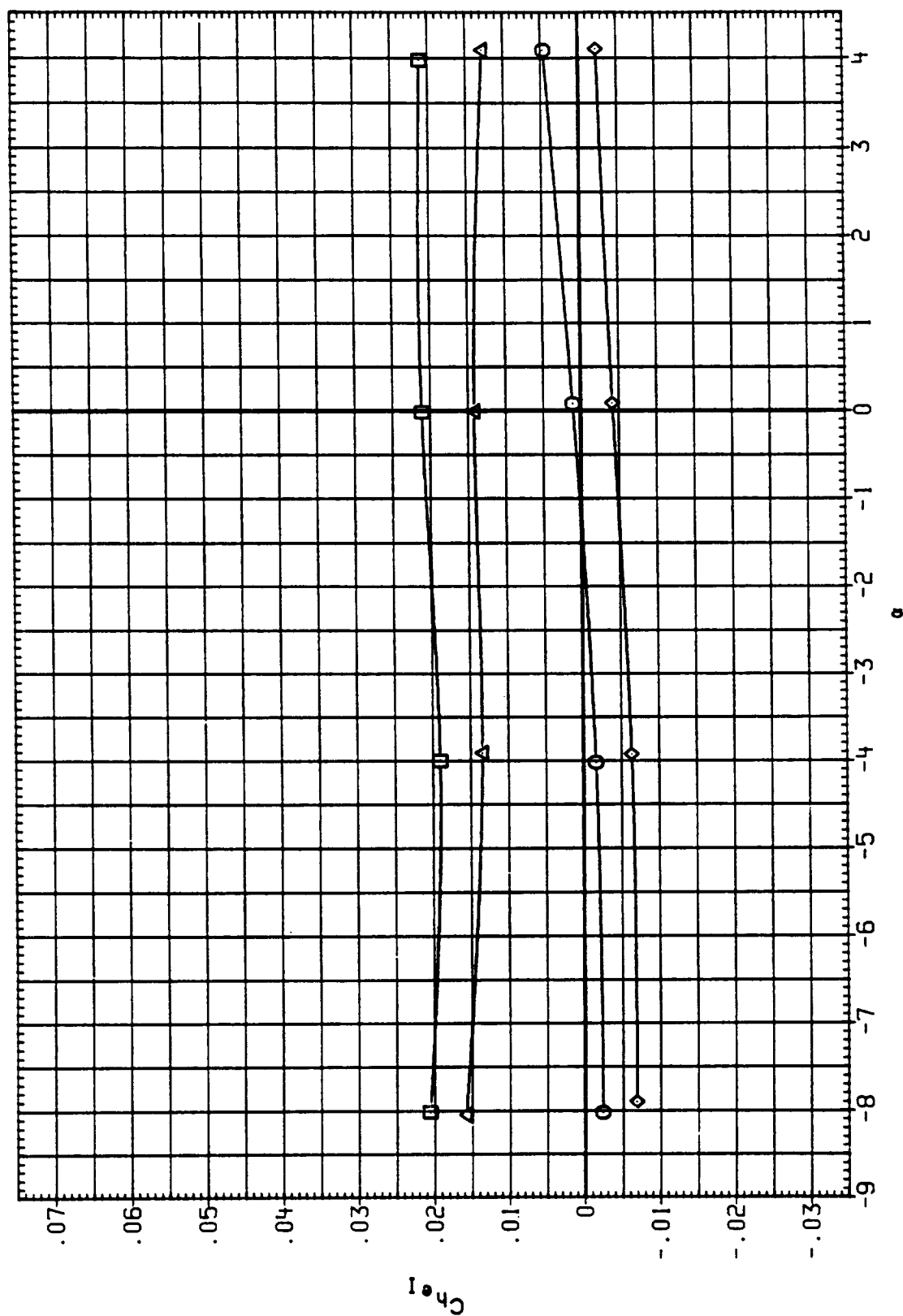


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0066
SC0096
SC0081
SC00A9

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2

MACH

.800
.800
.800
.800

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

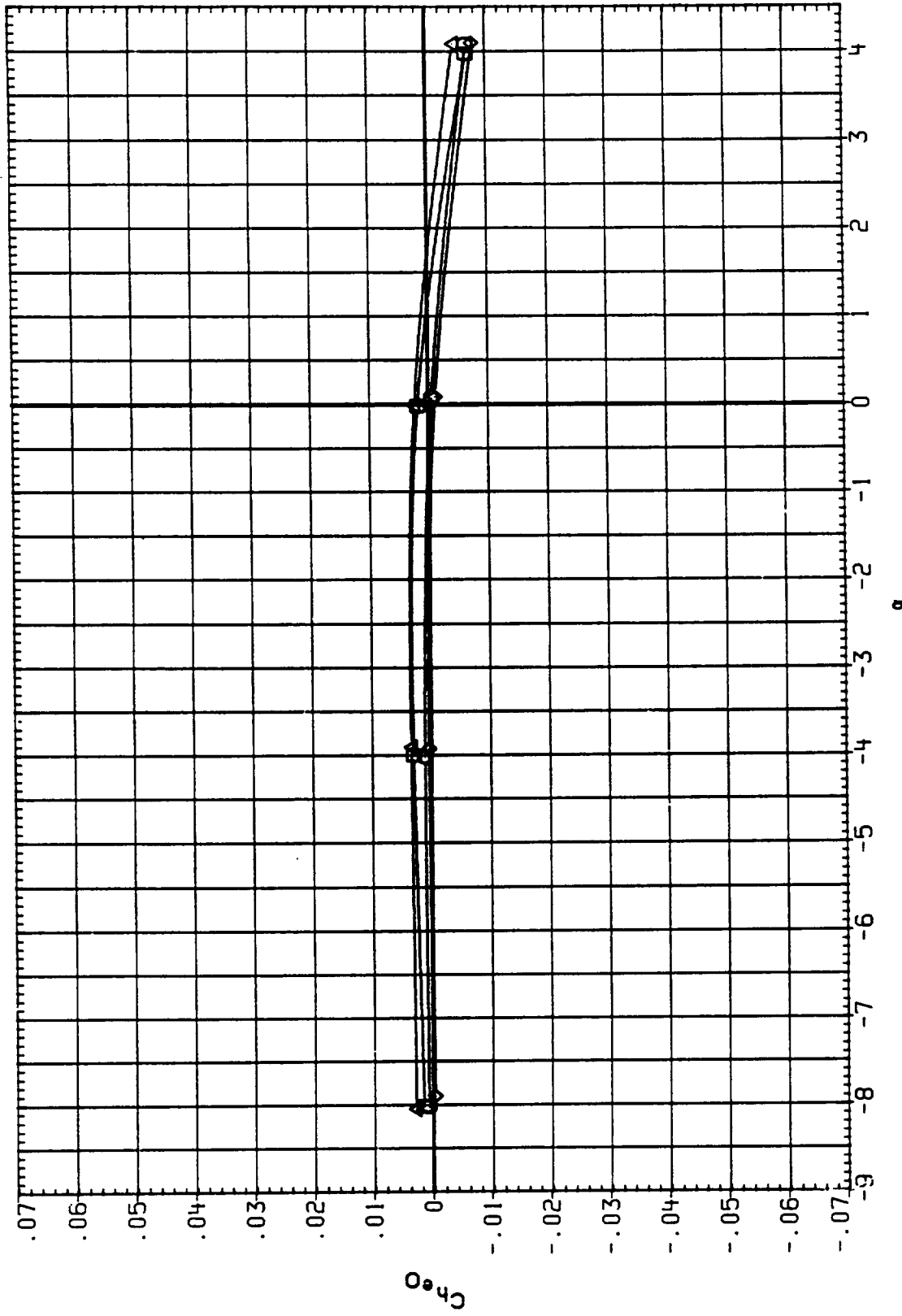


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS
(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	0B-ELV
SC0066	□	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	◇	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	△	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	.800	BOTTOM	10.000	9.000
SC00A9	△	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	.800	BOTTOM	8.000	9.000

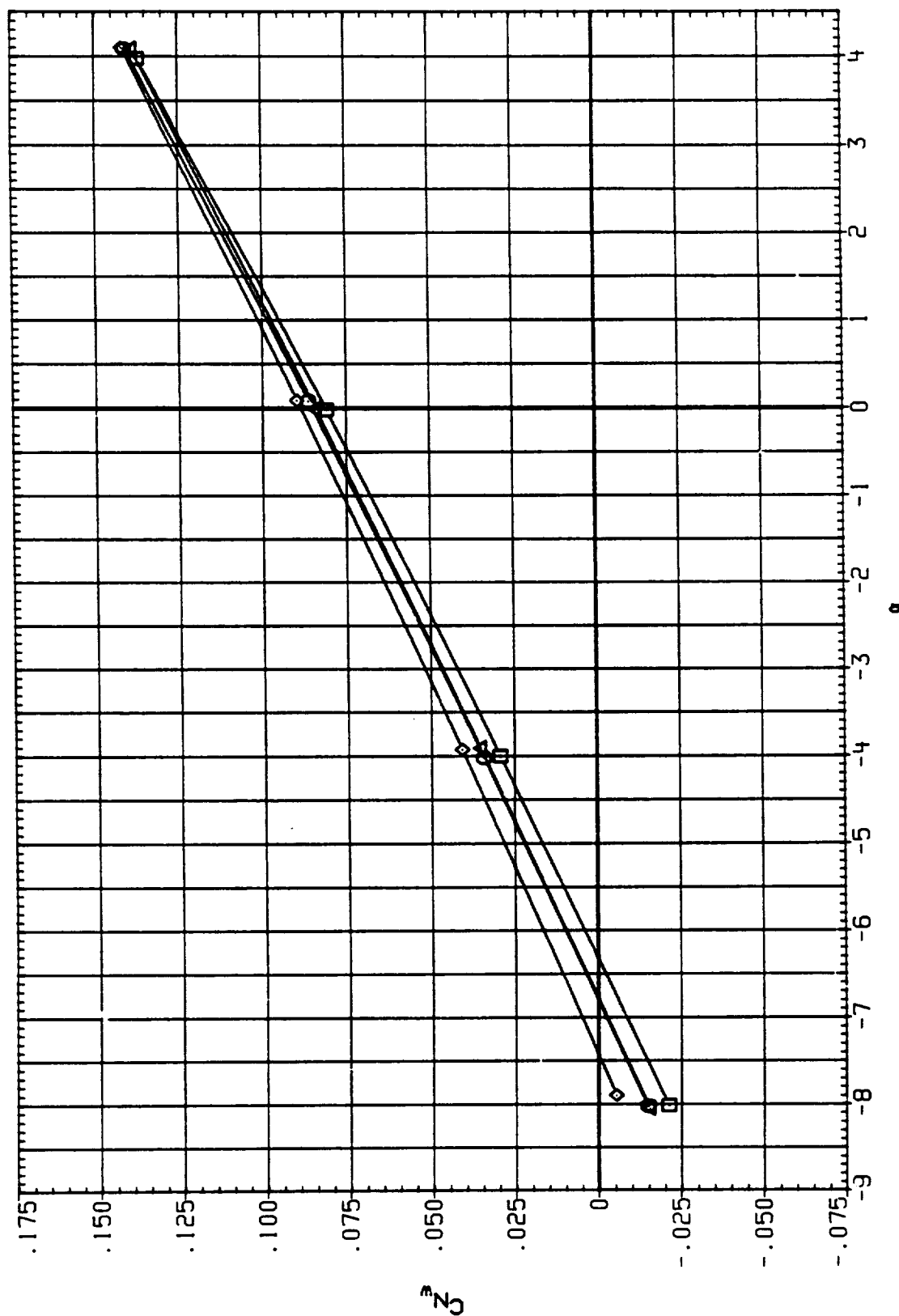


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	ACH	IE-BOX	IB-ELV	OB-ELV
SC0066	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
SC00A9	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000

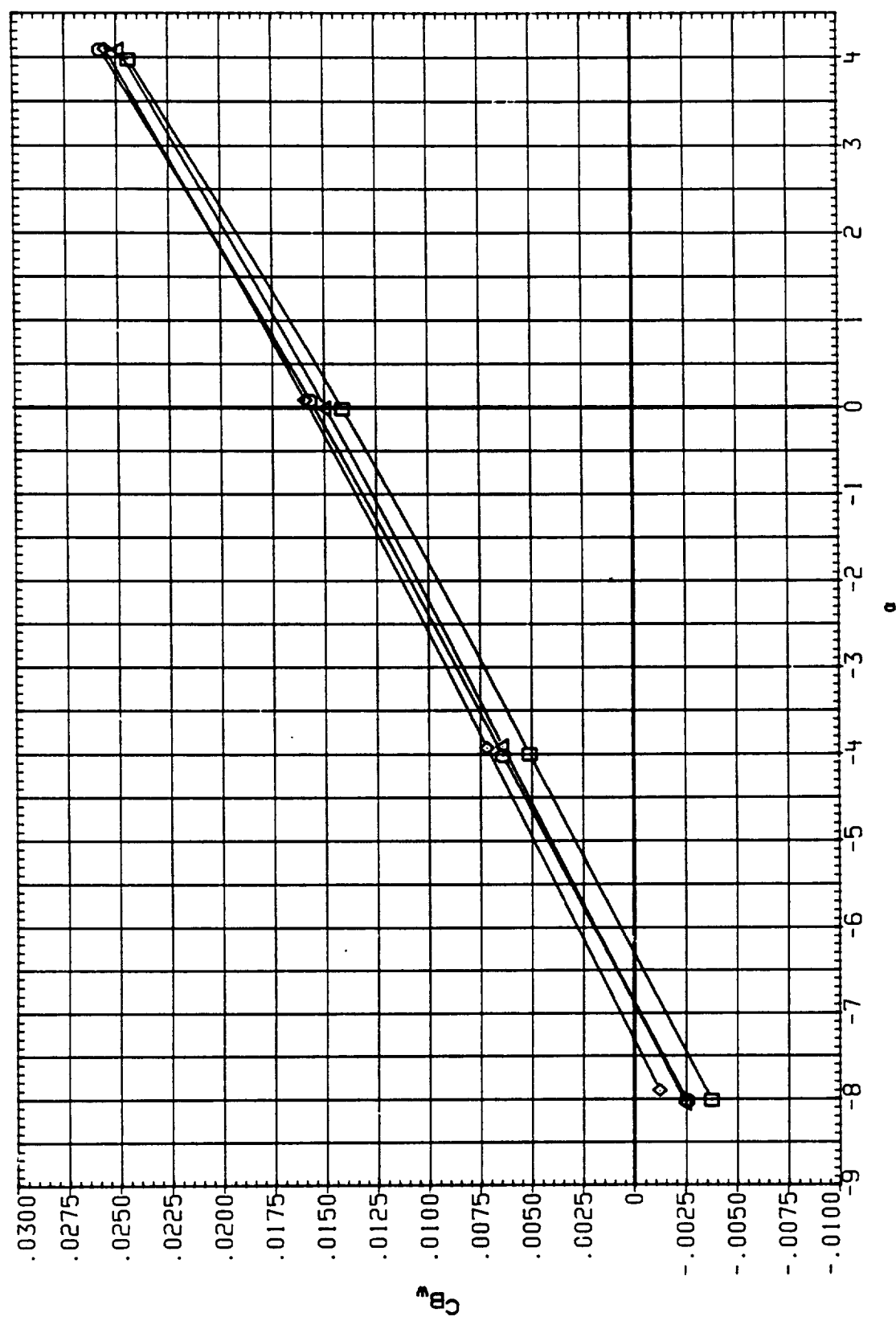


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC0066	○	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	△	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES 51.2	.800	BOTTOM	10.000	9.000
SC00A9	△	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES 51.2	.800	BOTTOM	8.000	9.000

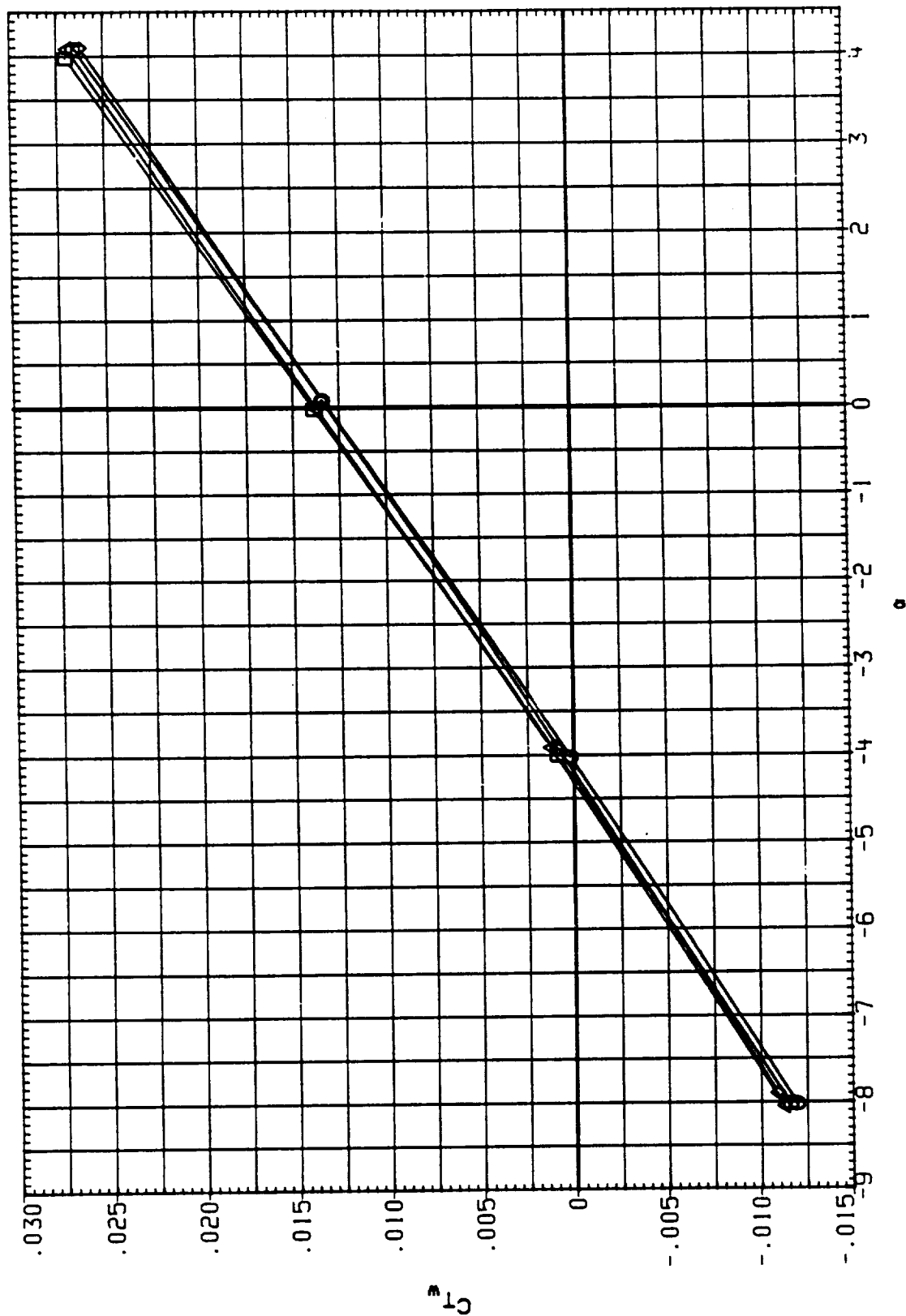


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	ACH	IEABOX	IB-ELV	OB-ELV
SC0067	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	10.000	9.000
SC0097	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	8.000	9.000
SC0082	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.900	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.900	BOTTOM	8.000	9.000

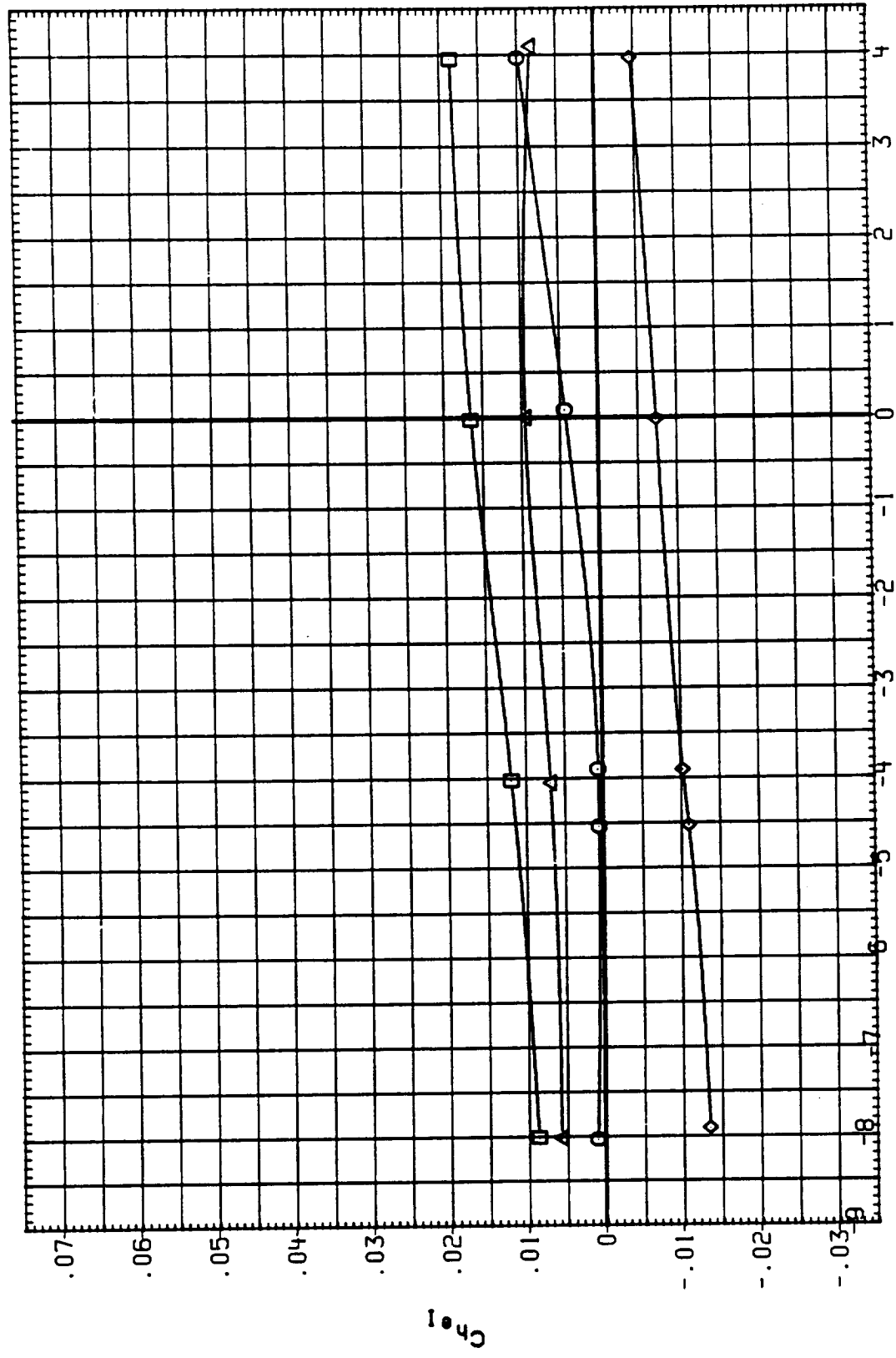


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELY	OB-ELY
SC0067	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	.900	BOTTOM	10.000	9.000
SC0097	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	.900	BOTTOM	8.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUNES SI.2	.900	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUNES SI.2	.900	BOTTOM	8.000	9.000

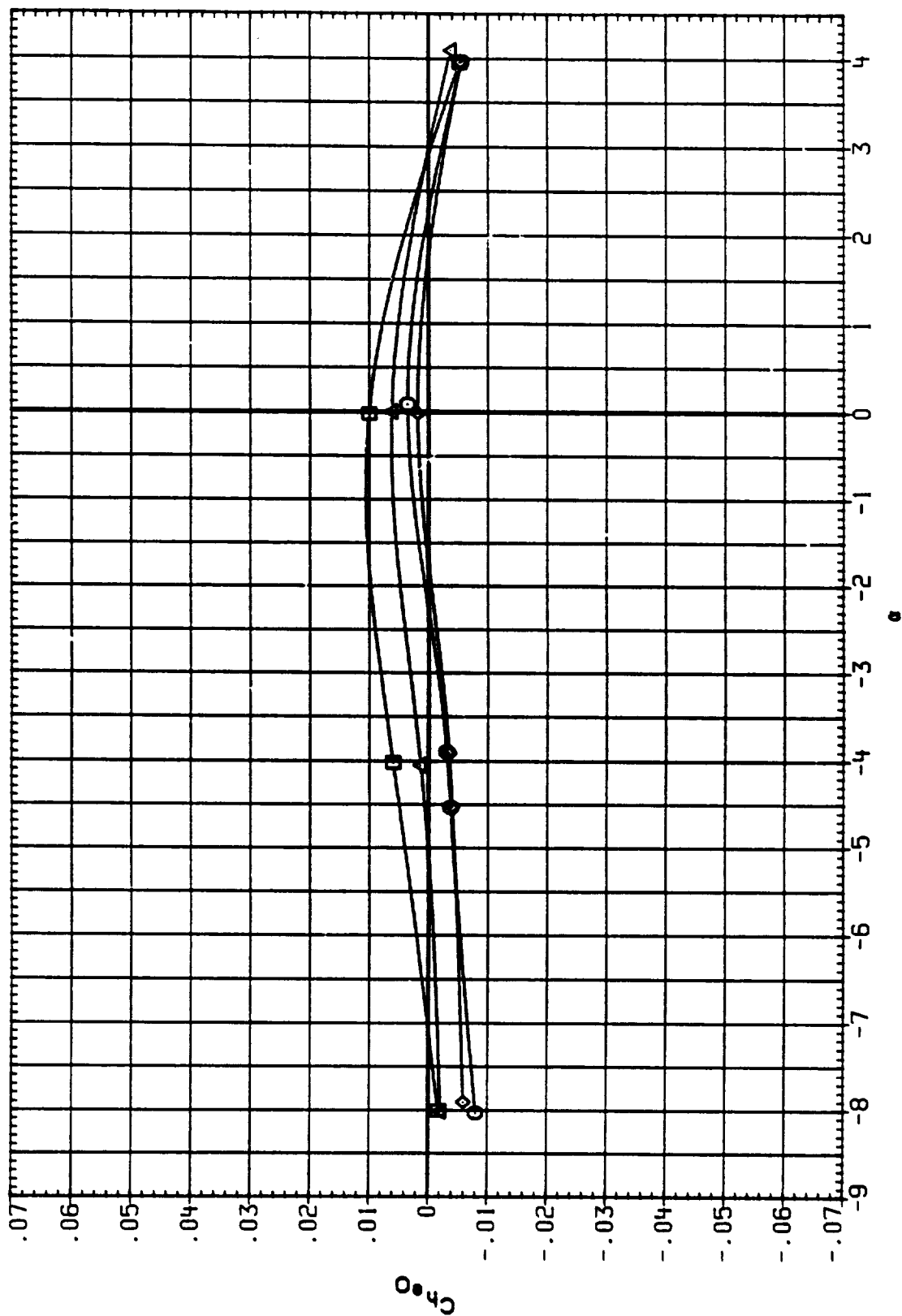


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0067	IA613A(AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.900	BOTTOM	10.000	9.000
SC0097	IA613A(AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	.900	BOTTOM	8.000	9.000
SC0082	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	.900	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	.900	BOTTOM	8.000	9.000

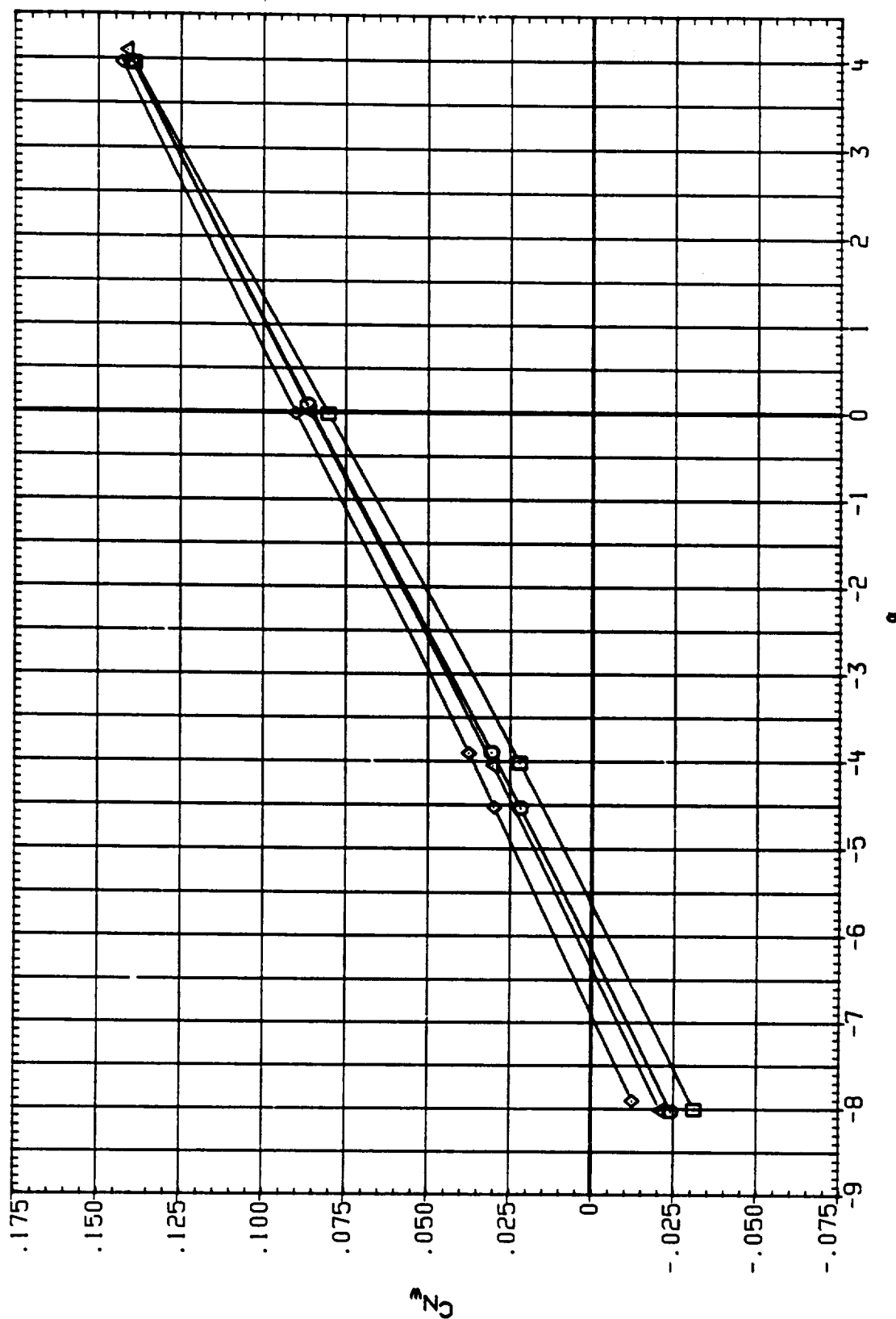


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
SC0067	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	.900	BOTTOM	10.000	9.000
SC0097	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	.900	BOTTOM	8.000	9.000
SC0082	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUNES S1.2	.900	BOTTOM	10.000	9.000
SC0080	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUNES S1.2	.900	BOTTOM	8.000	9.000

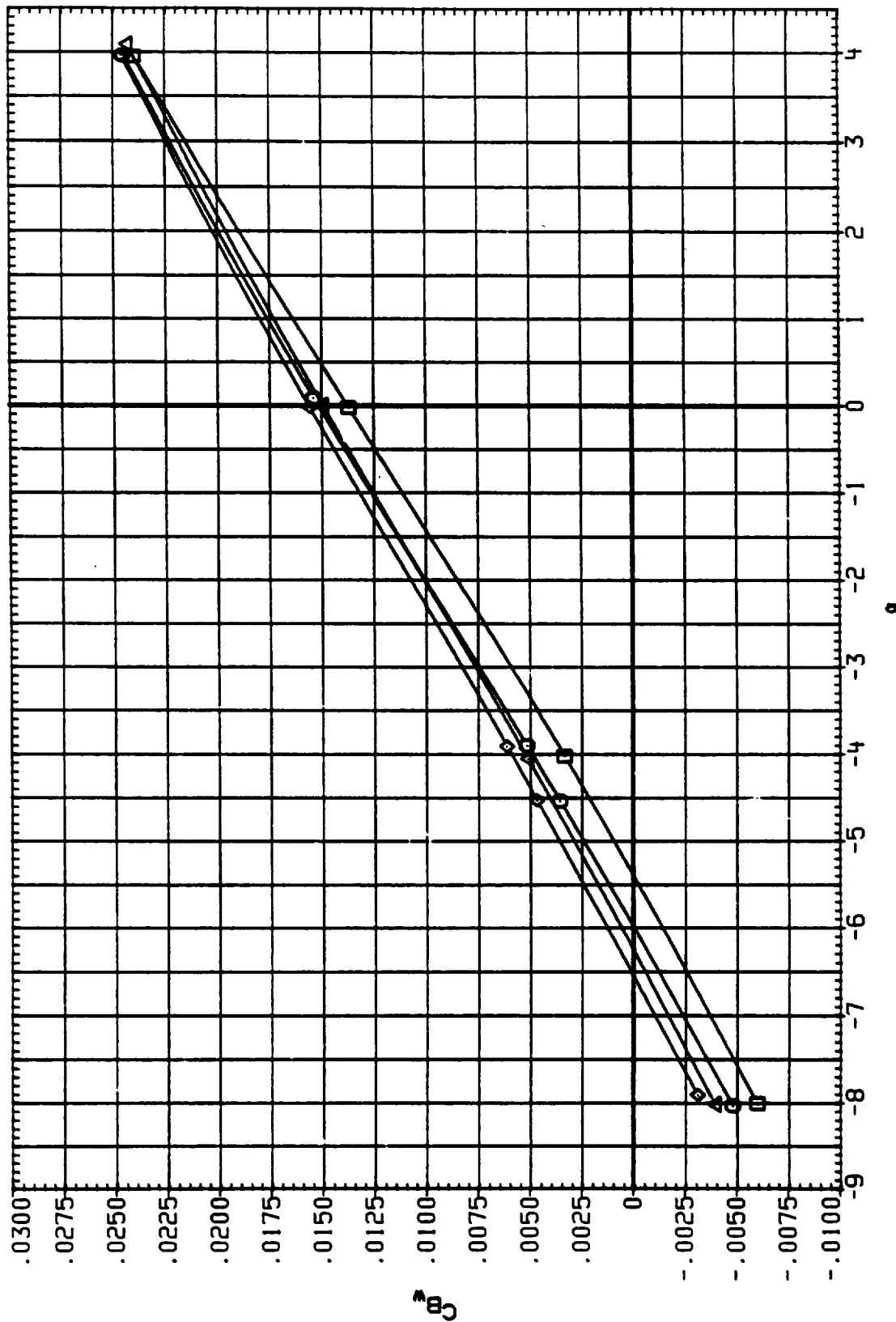


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEADBOX	IB-ELY	CS-ELY
SC0067	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	.900	80110H	10.000	9.000
SC0097	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	.900	80110H	8.000	9.000
SC0082	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.5	.900	80110H	10.000	9.000
SC0080	△	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.900	80110H	8.000	9.000

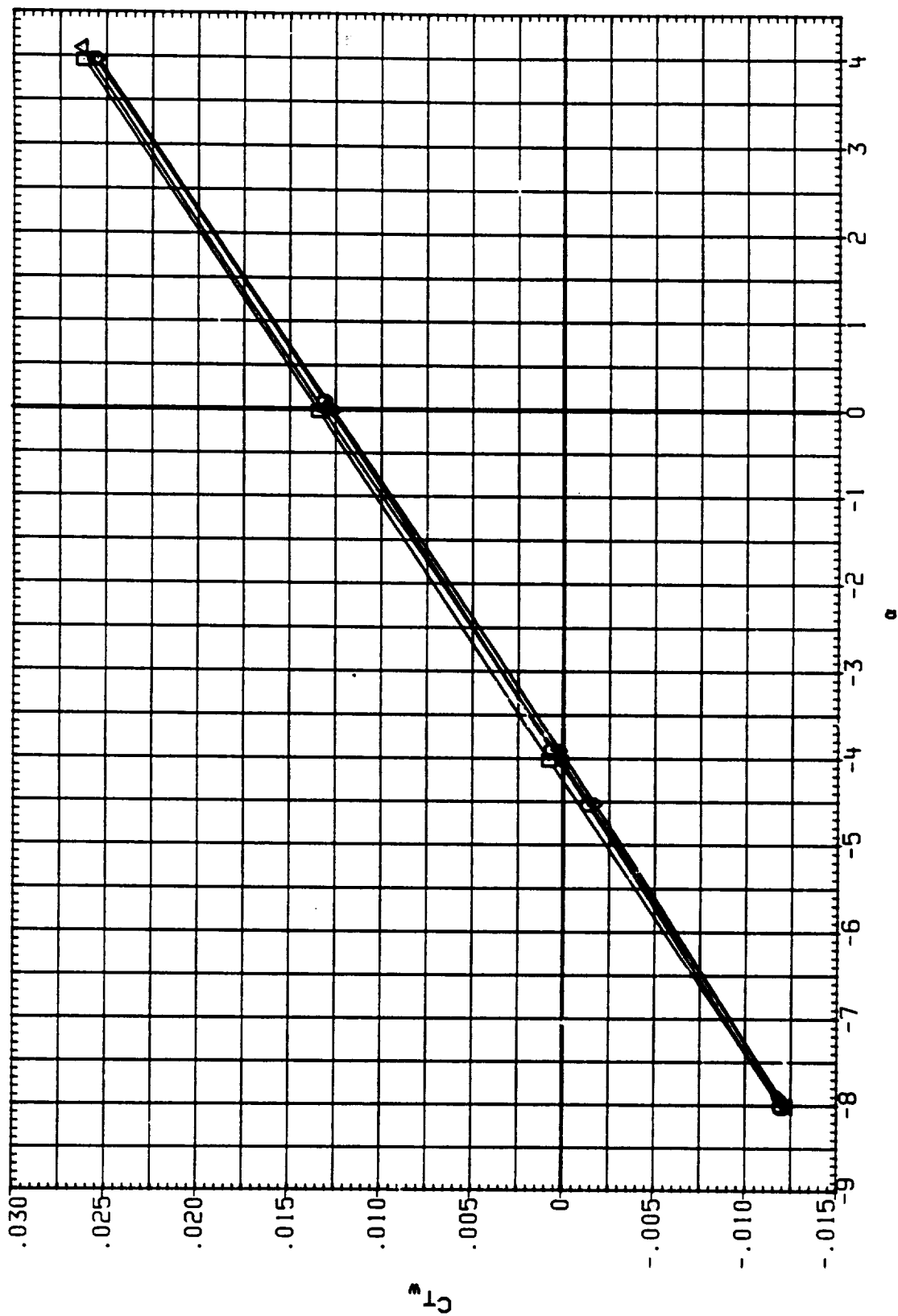


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0069	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0083	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0081	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000

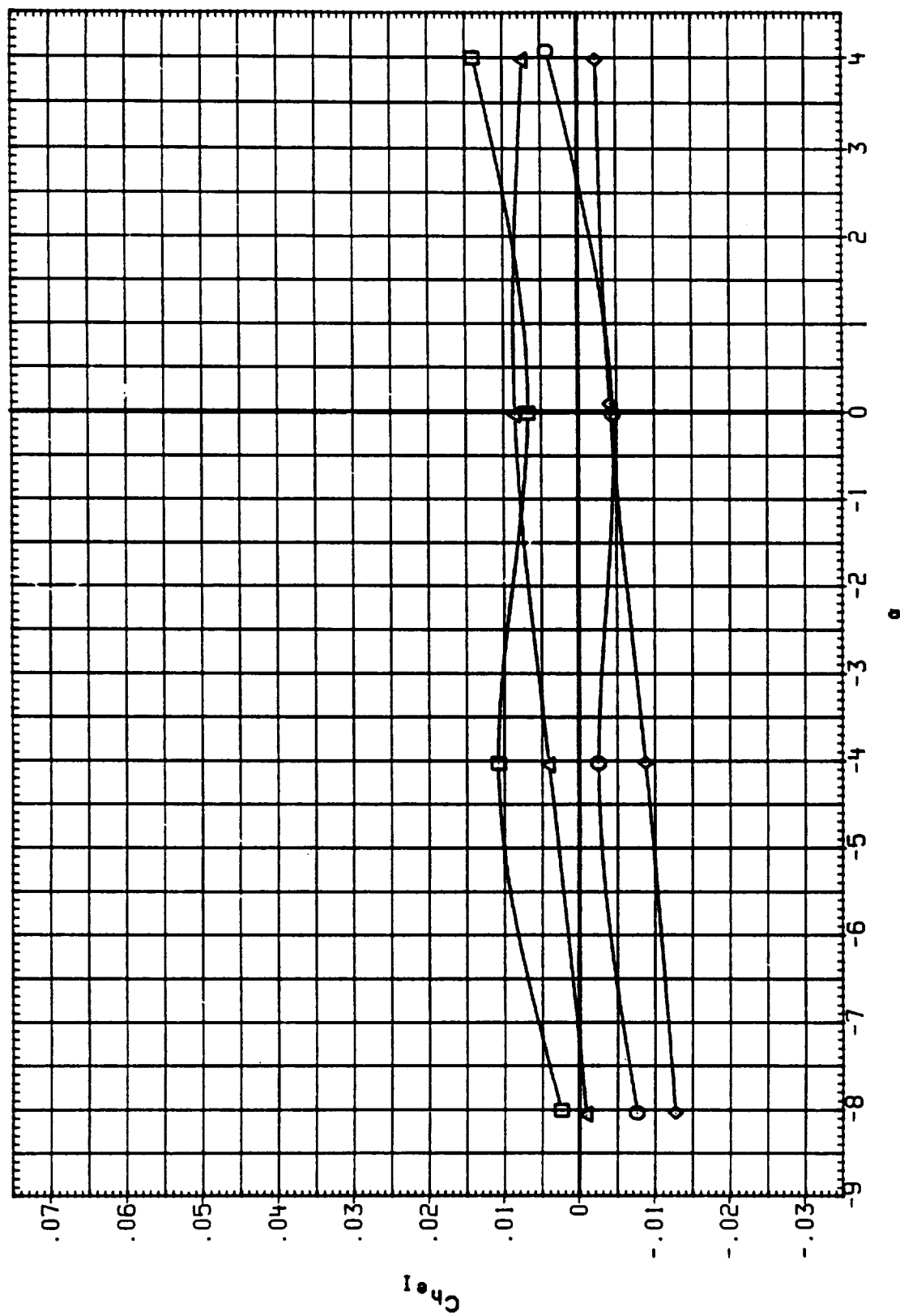


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0068	IAB13A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0098	IAB13A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0083	IAB13A1AEDC 161F-829) B/L OT + ASRM. PLUMES SI.2	.950	BOTTOM	10.000	9.000
SC0081	IAB13A1AEDC 161F-829) B/L OT + ASRM. PLUMES SI.2	.950	BOTTOM	8.000	9.000

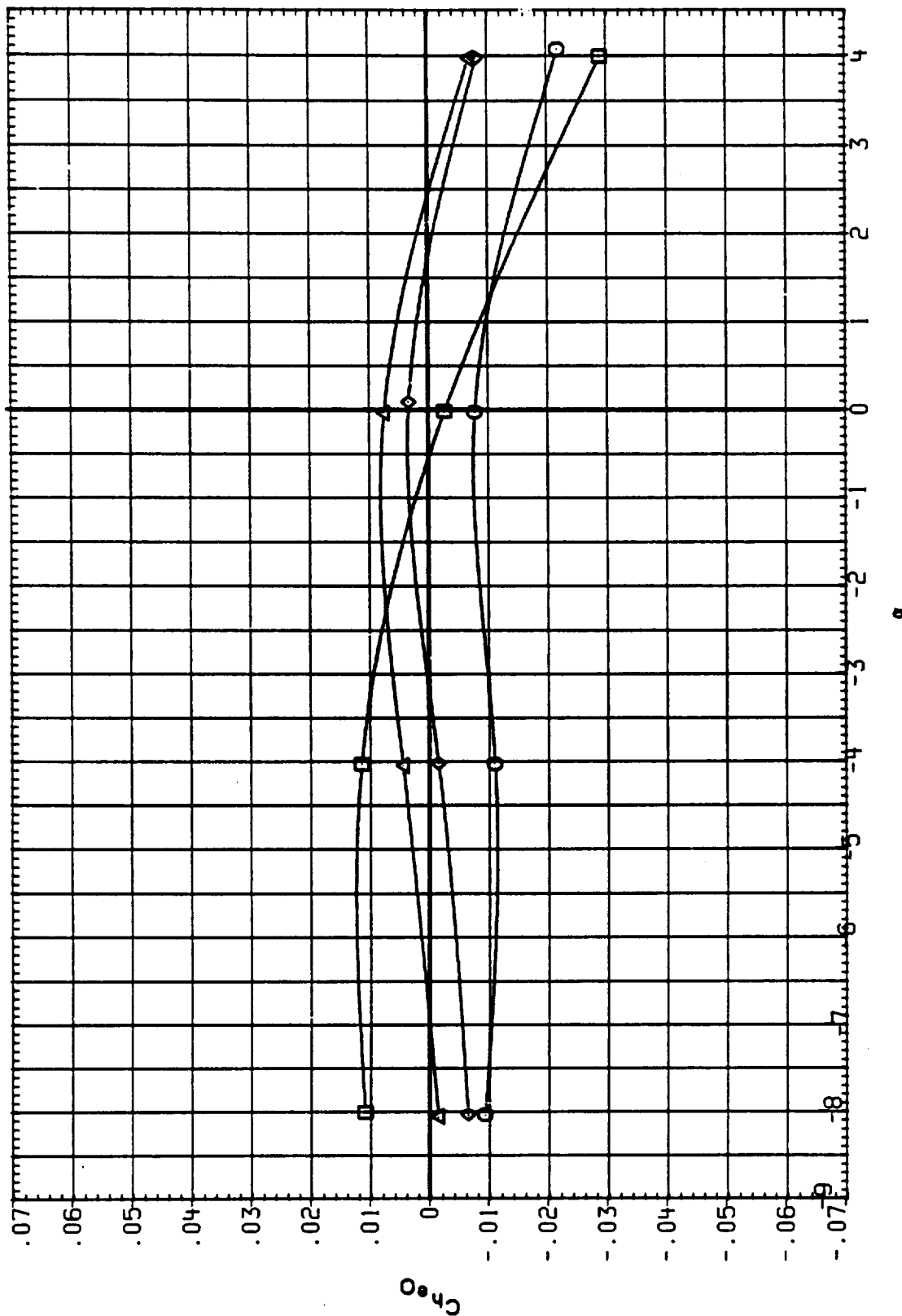


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) RFTA = .00

SC0068 IAG13A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF .950 BOTTOM 10.000 9.000
 SC0098 IAG13A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF .950 BOTTOM 10.000 9.000
 SC0083 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2 .950 BOTTOM 10.000 9.000
 SC0081 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2 .950 BOTTOM 10.000 9.000

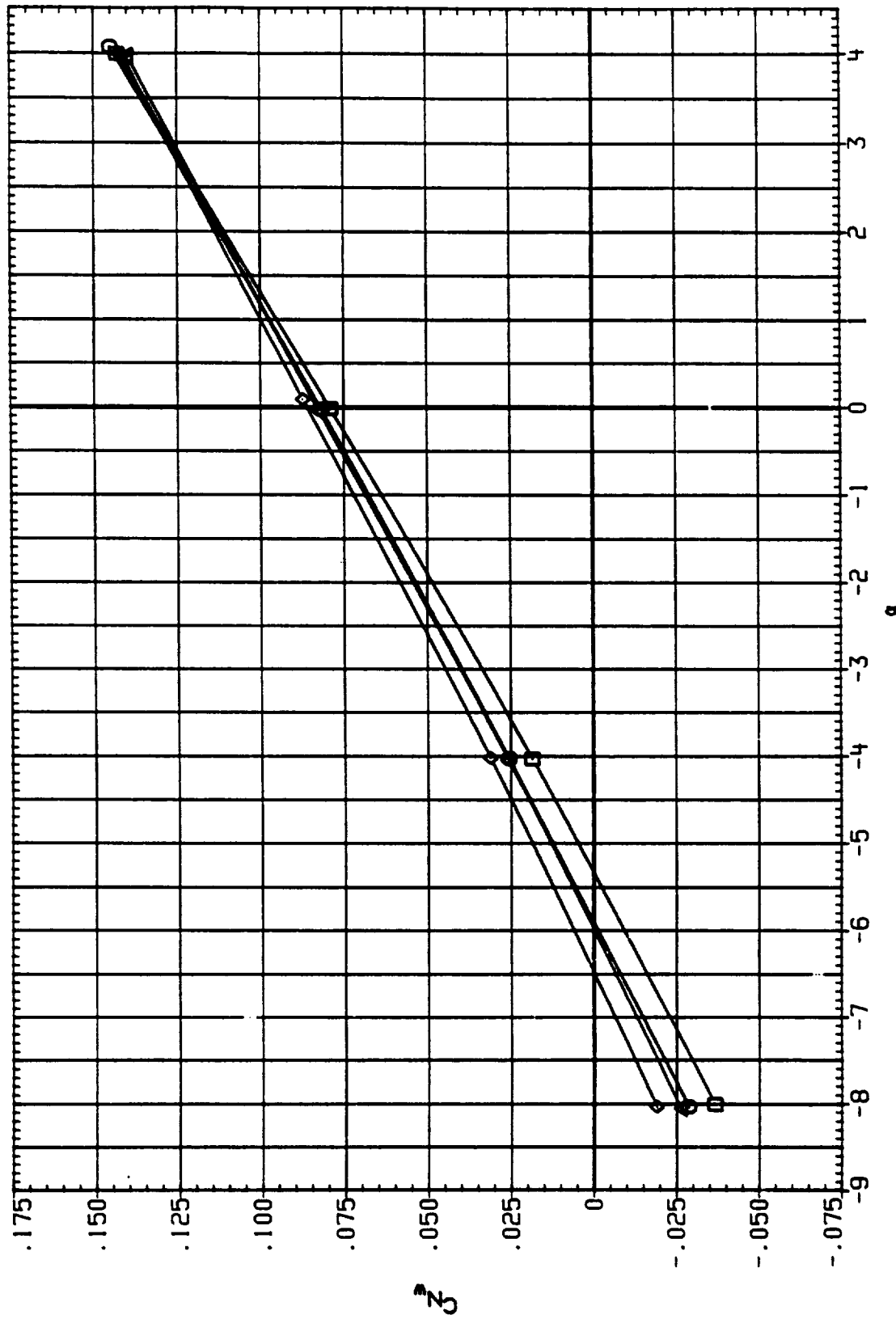


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	RACH	HEADBOX	IB ELEV	OB ELEV
SC0068	○	IA613A1AEDC 161F-829) B/L OT + ASRM, PLW	.950	80110H	10.000	9.000
SC0098	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLW	.950	80110H	10.000	9.000
SC0083	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLWES	.950	80110H	10.000	9.000
SC0081	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLWES	.950	80110H	10.000	9.000

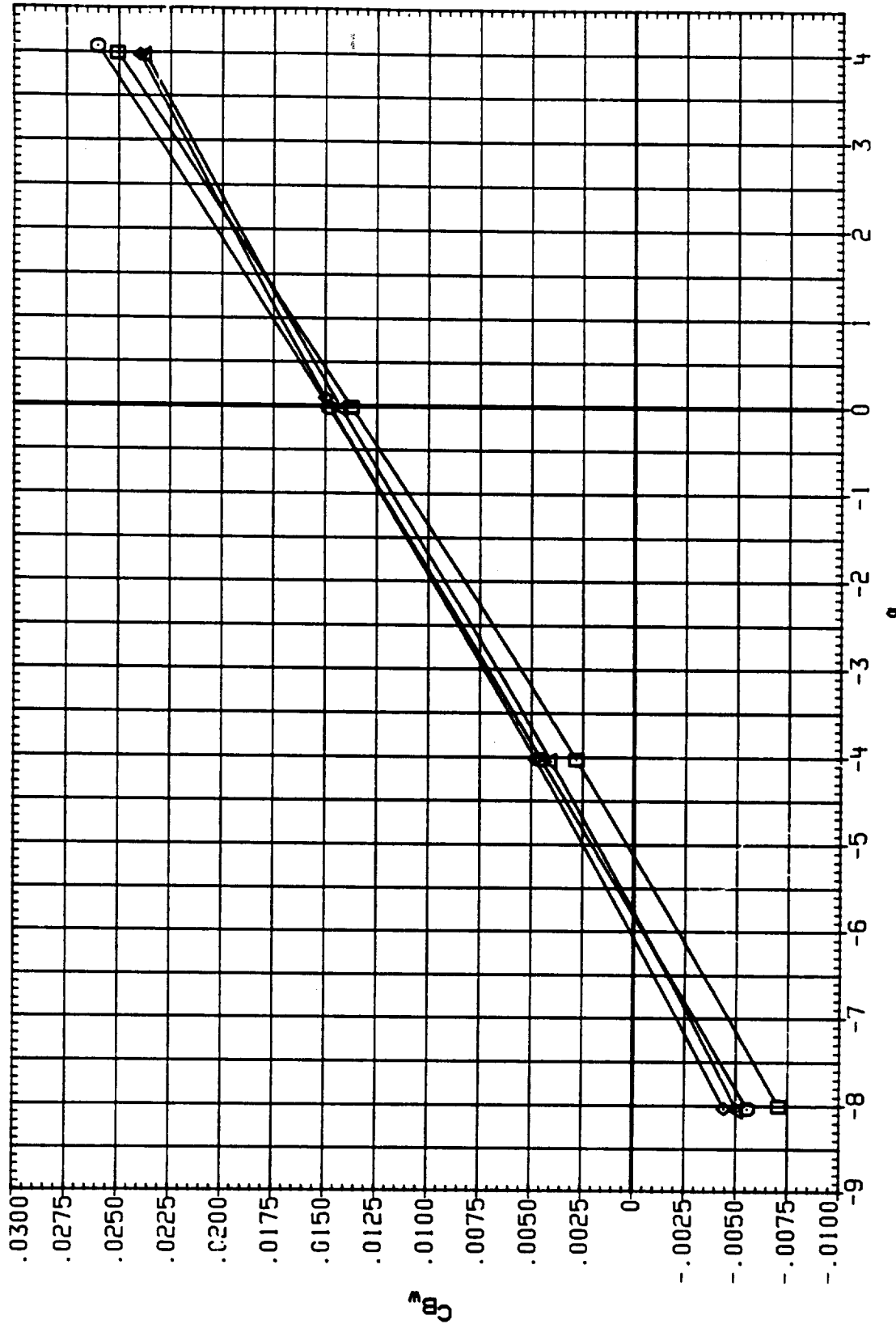


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	REYNOLDS	ANGLE	BETA
SC0068	Q 1A613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0098	Q 1A613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0083	Q 1A613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES ST.2	.950	BOTTOM	10.000	9.000
SC0081	Q 1A613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES ST.2	.950	BOTTOM	8.000	9.000

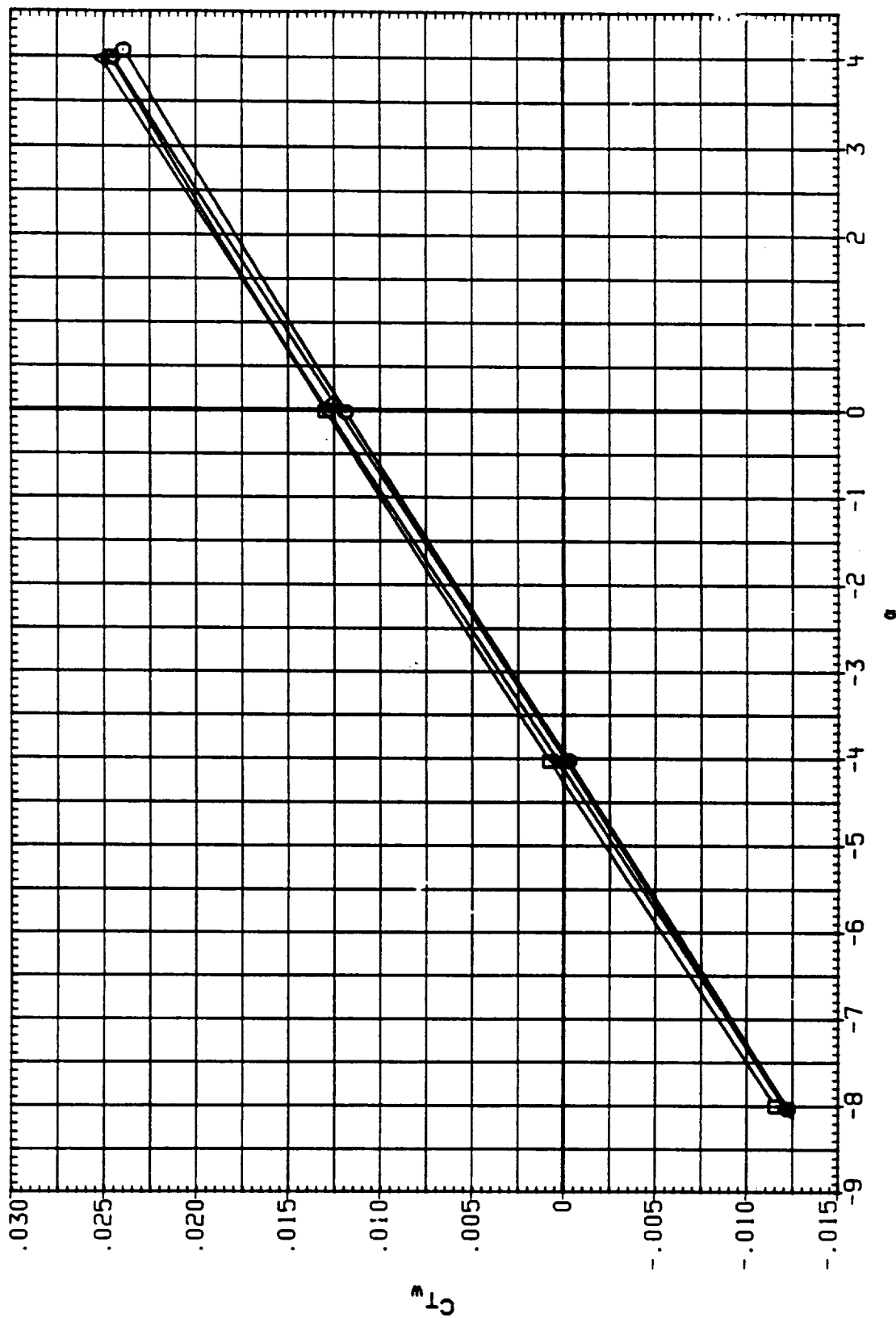


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IE-ELV	CS-ELV
SC0069	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.050	BOTTOM	10.000	9.000
SC0099	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.050	BOTTOM	10.000	9.000
SC0084	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000

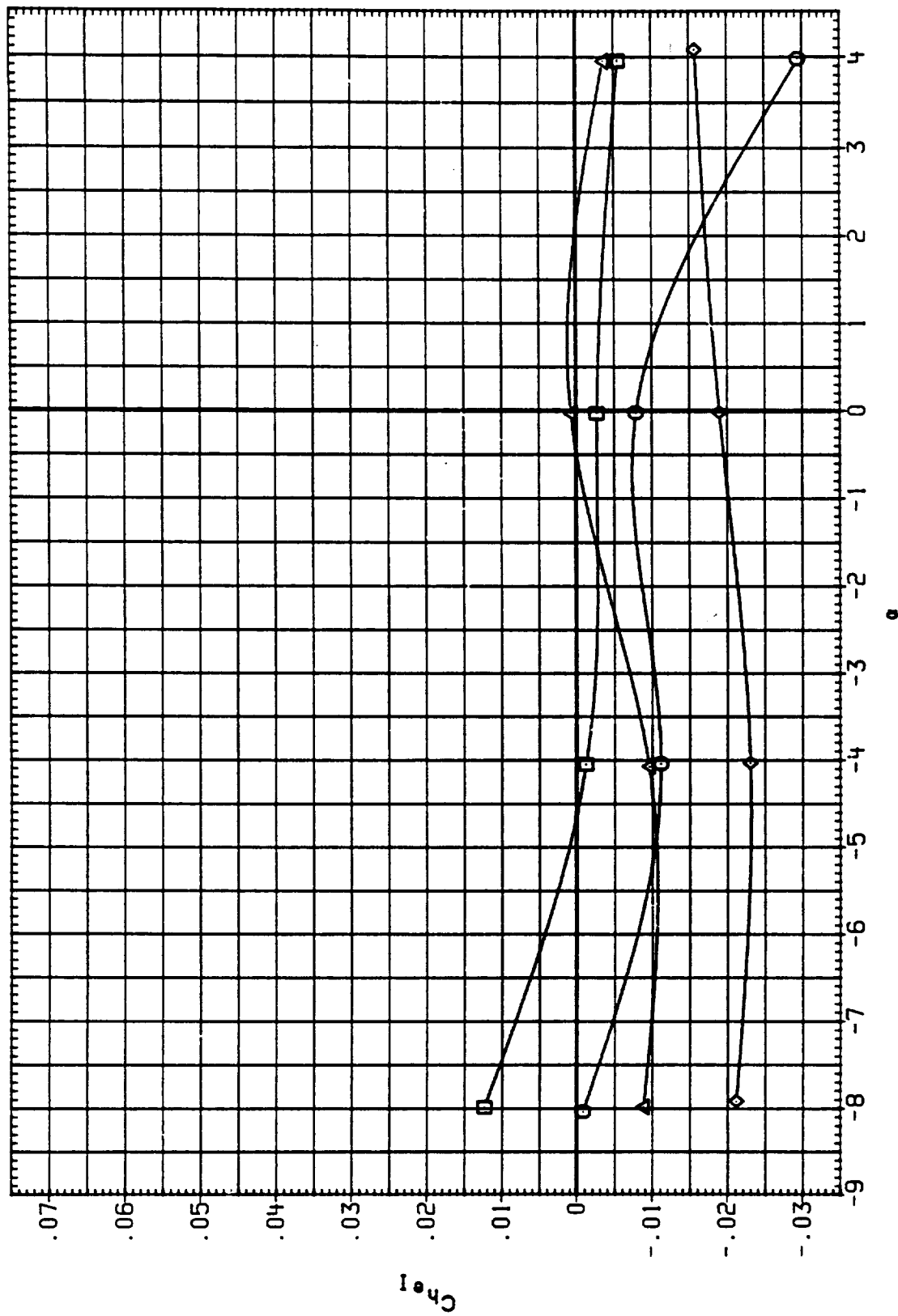


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0069	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.050	BOTTOM	10.000	9.000
SC0099	○	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.050	BOTTOM	8.000	9.000
SC0084	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES SL.2	1.050	BOTTOM	10.000	9.000
SC0082	△	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES SL.2	1.050	BOTTOM	8.000	9.000

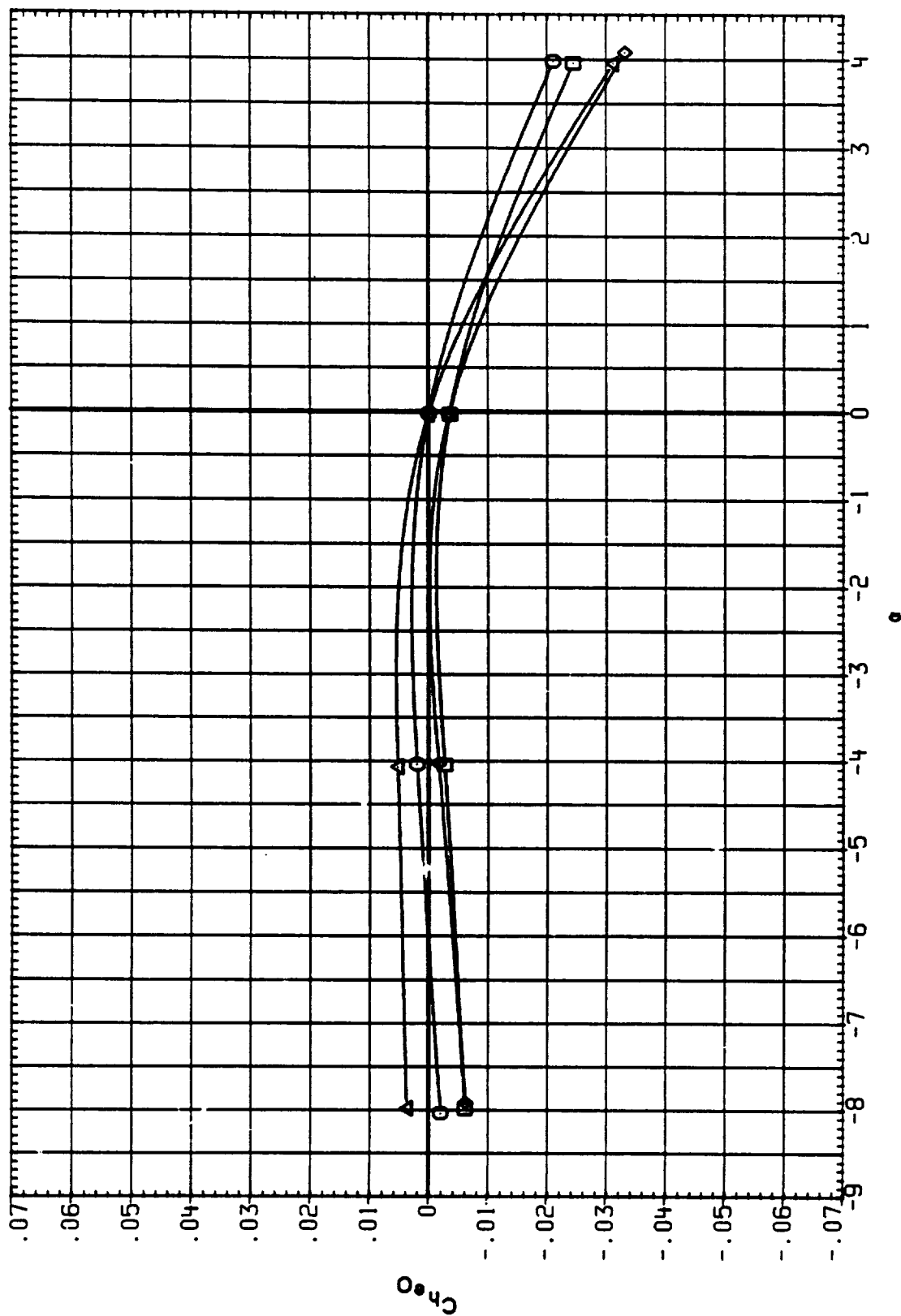


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0069

SC0099

SC0084

SC0082

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2

MACH

1.050

1.050

1.050

1.050

IEABOX

BOTTOM

BOTTOM

BOTTOM

BOTTOM

IB-ELV

10.000

8.000

10.000

8.000

OB-ELV

9.000

9.000

9.000

9.000

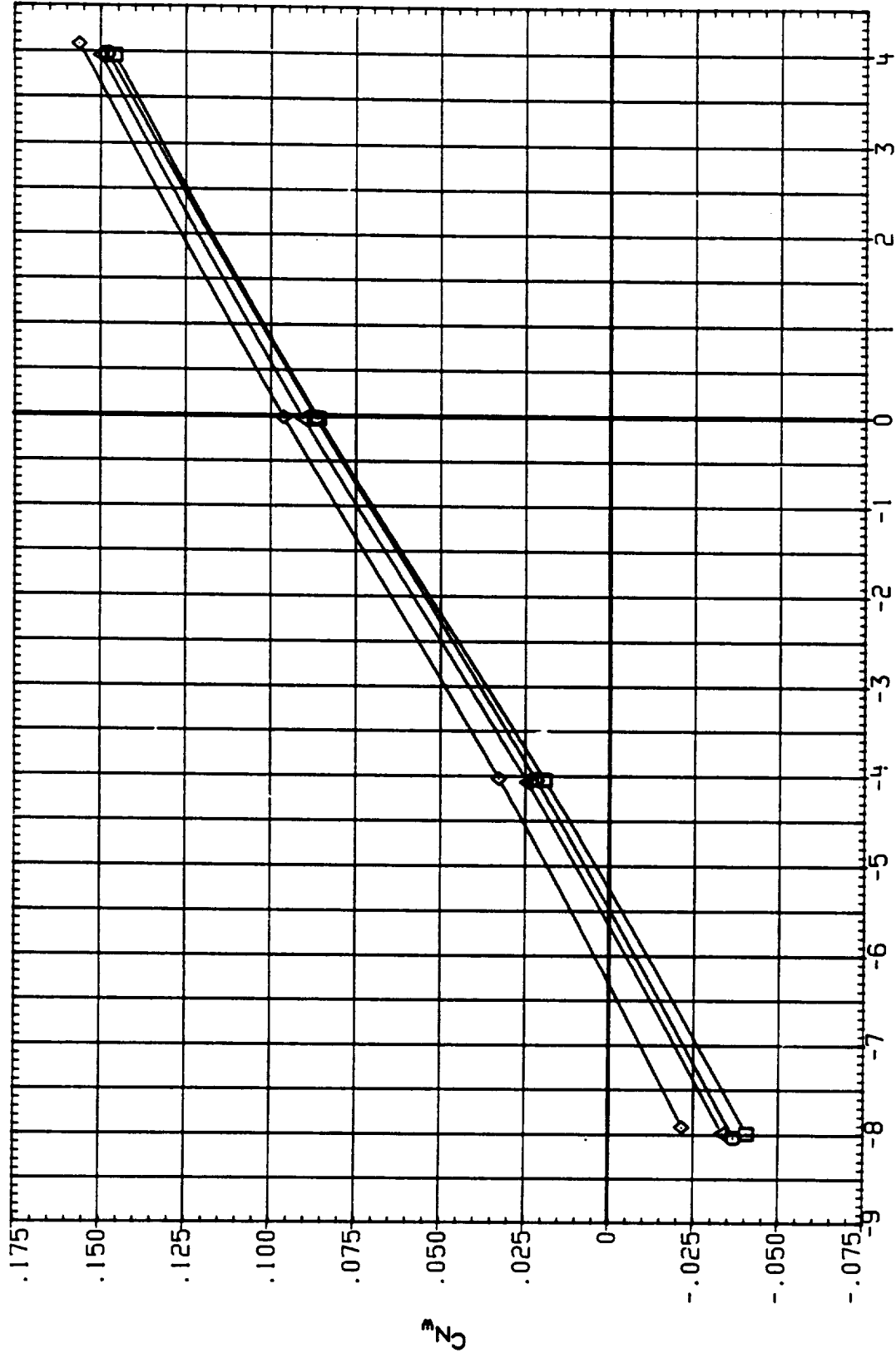


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0069	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
SC0099	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
SC0084	⊗	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.050	BOTTOM	10.000	9.000
SC0082	⊗	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.050	BOTTOM	8.000	9.000

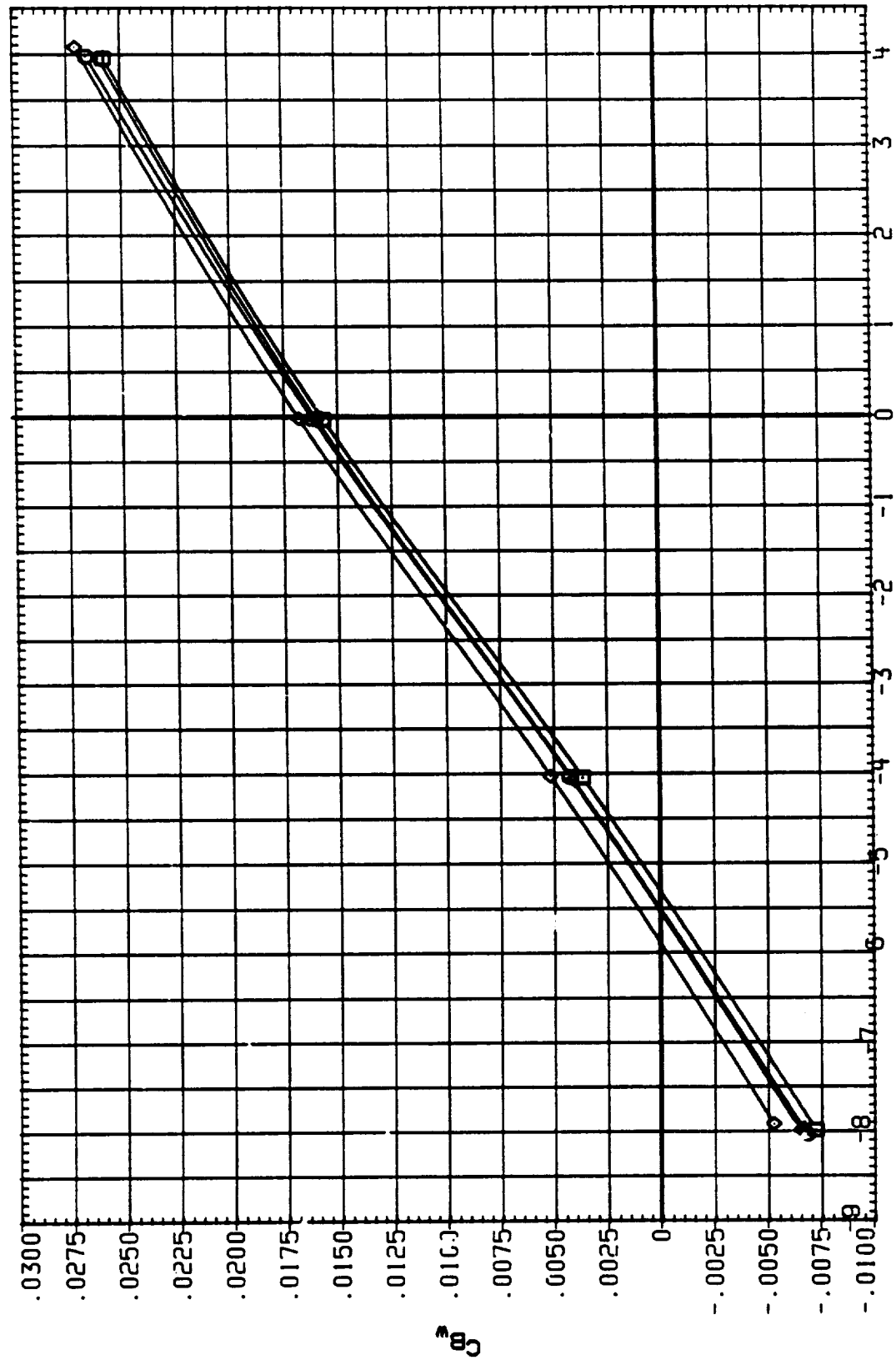


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET 51130L

LOAD IDENTIFICATION

SC0069	□	IA613A1AEDC	16TF-829)	B/L	OT	ASRM, PLUM	OFF	1.050	BOTTOM	10.000	9.000
SC0099	◇	IA613A1AEDC	16TF-829)	B/L	OT	ASRM, PL	CF	1.050	BOTTOM	8.000	9.000
SC0084	◇	IA613A1AEDC	16TF-829)	B/L	OT	ASRM+PLU	.2	1.050	BOTTOM	10.000	9.000
SC0082	△	IA613A1AEDC	16TF-829)	B/L	OT	ASRM+PLUM	.1,2	1.050	BOTTOM	8.000	9.000

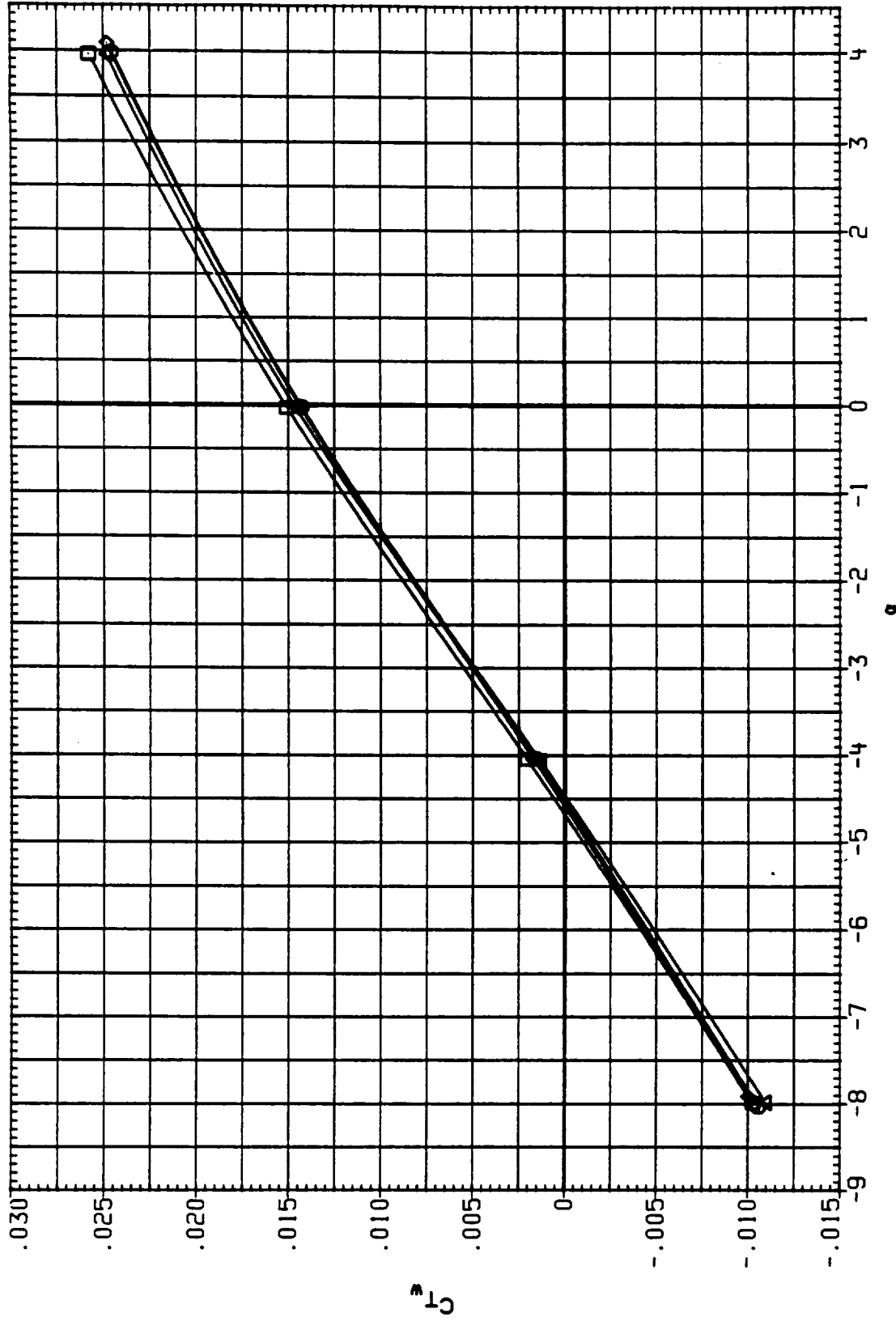


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	15-EL	15-EL
SC0070	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	10.000	9.000
SC00A0	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	8.000	9.000
SC00B5	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.100	10.000	9.000
SC00B3	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.100	8.000	9.000

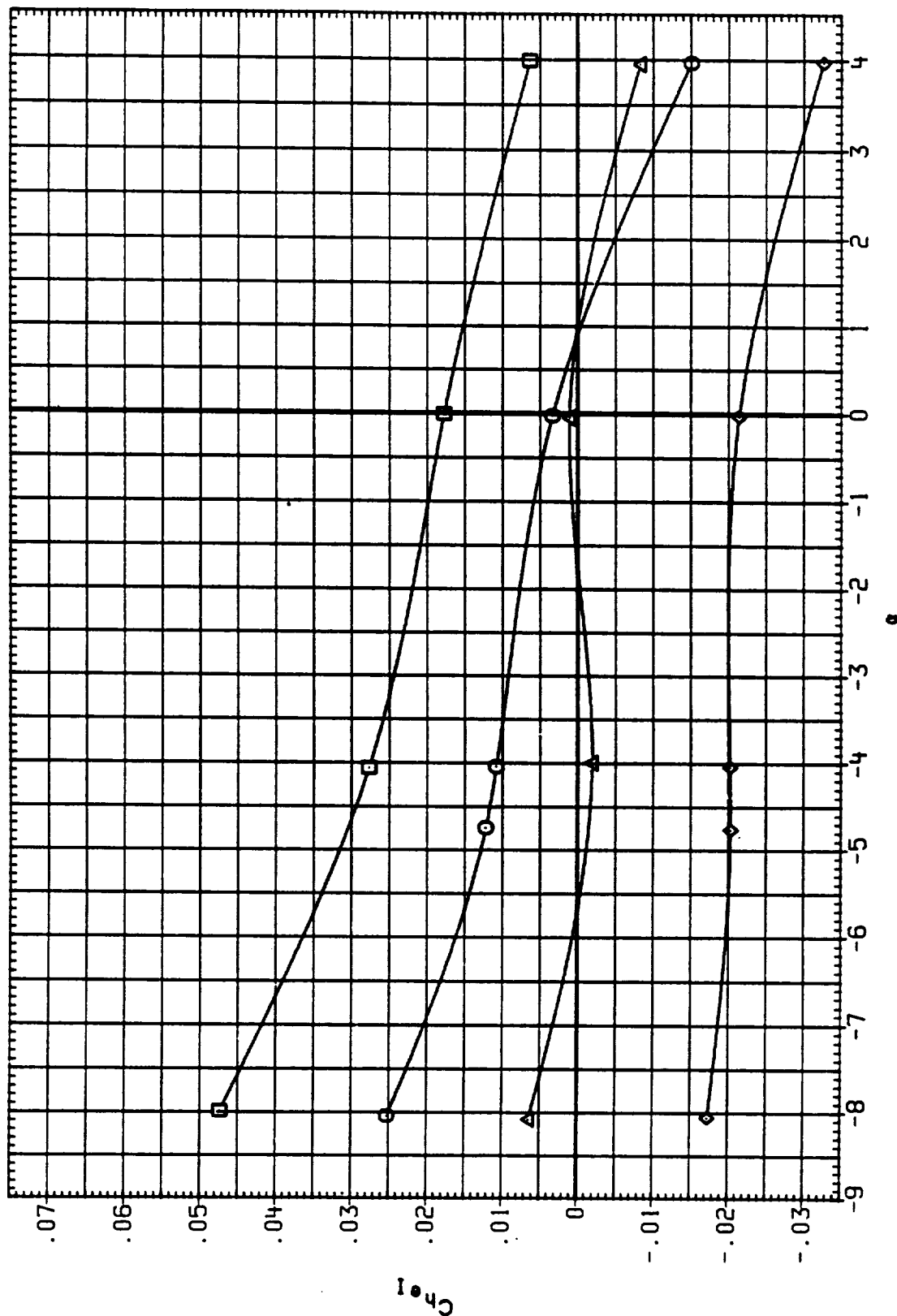


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	WING	WING
SC0070	○	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUNE	1.100	10.000	9.000
SC00A0	□	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUNE	1.100	10.000	9.000
SC00B5	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES	1.100	10.000	9.000
SC00B3	△	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2	1.100	10.000	9.000

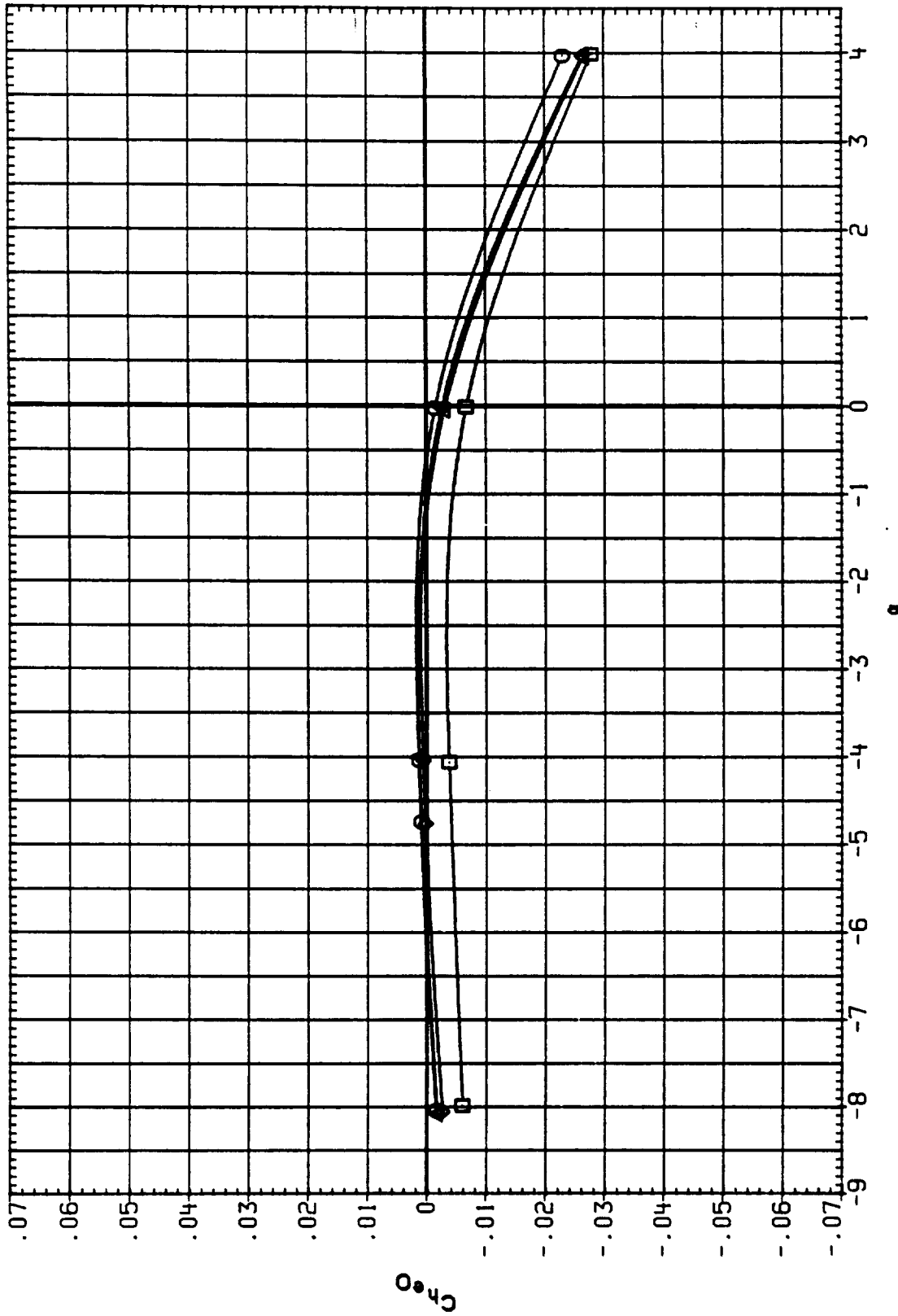


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	LEBOX	IB-ELV	CB-ELV
SC0070	□	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	1.100	BOTTOM	10.000	9.000
SC00A0	□	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	1.100	BOTTOM	8.000	9.000
SC00B5	◇	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	1.100	BOTTOM	10.000	9.000
SC00B3	◇	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	1.100	BOTTOM	8.000	9.000

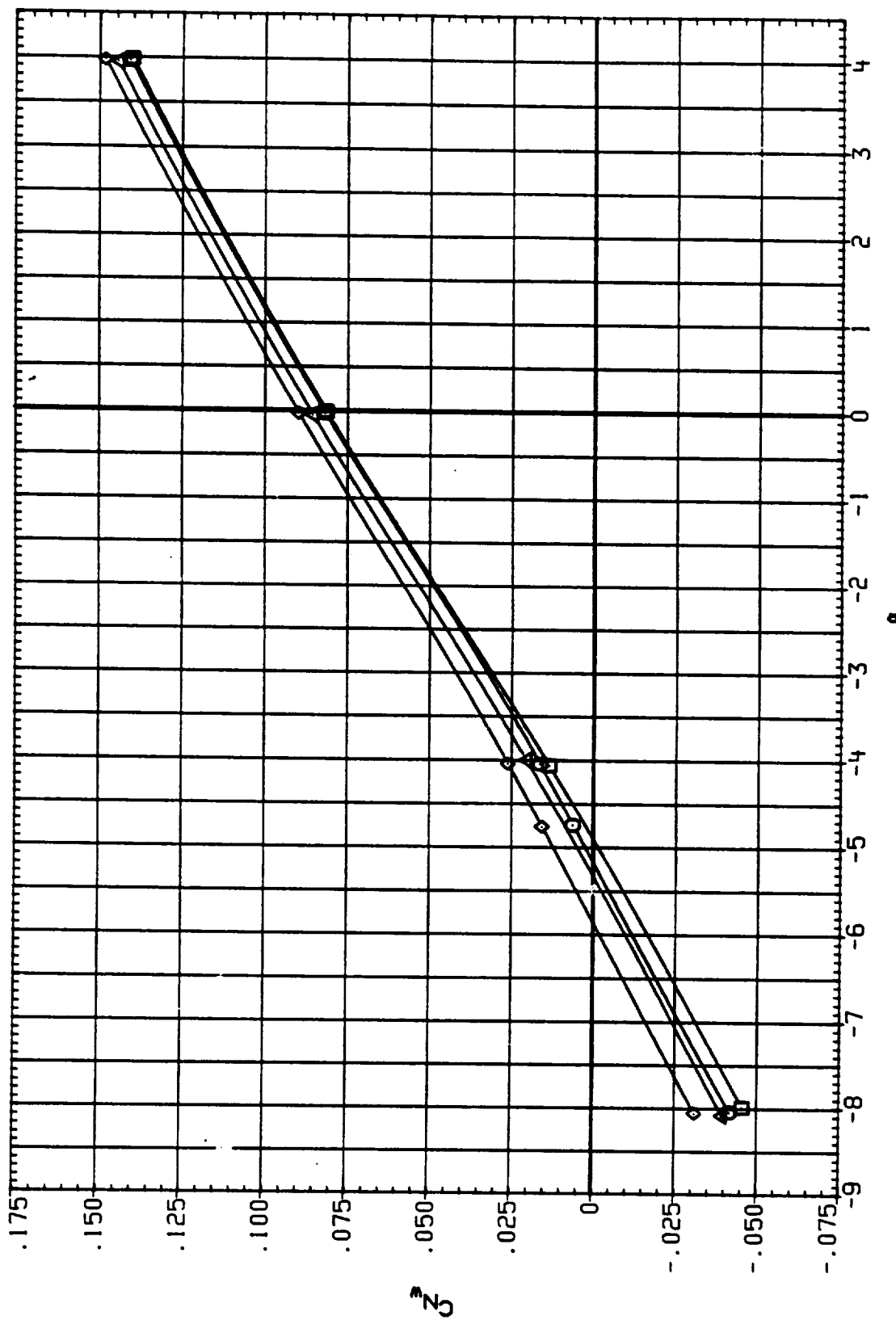


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	OB-ELV
SC0070	○	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	10.000	9.000
SC00A0	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	8.000	9.000
SC00B5	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.5	1.100	BOTTOM	10.000	9.000
SC00B3	△	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	1.100	BOTTOM	8.000	9.000

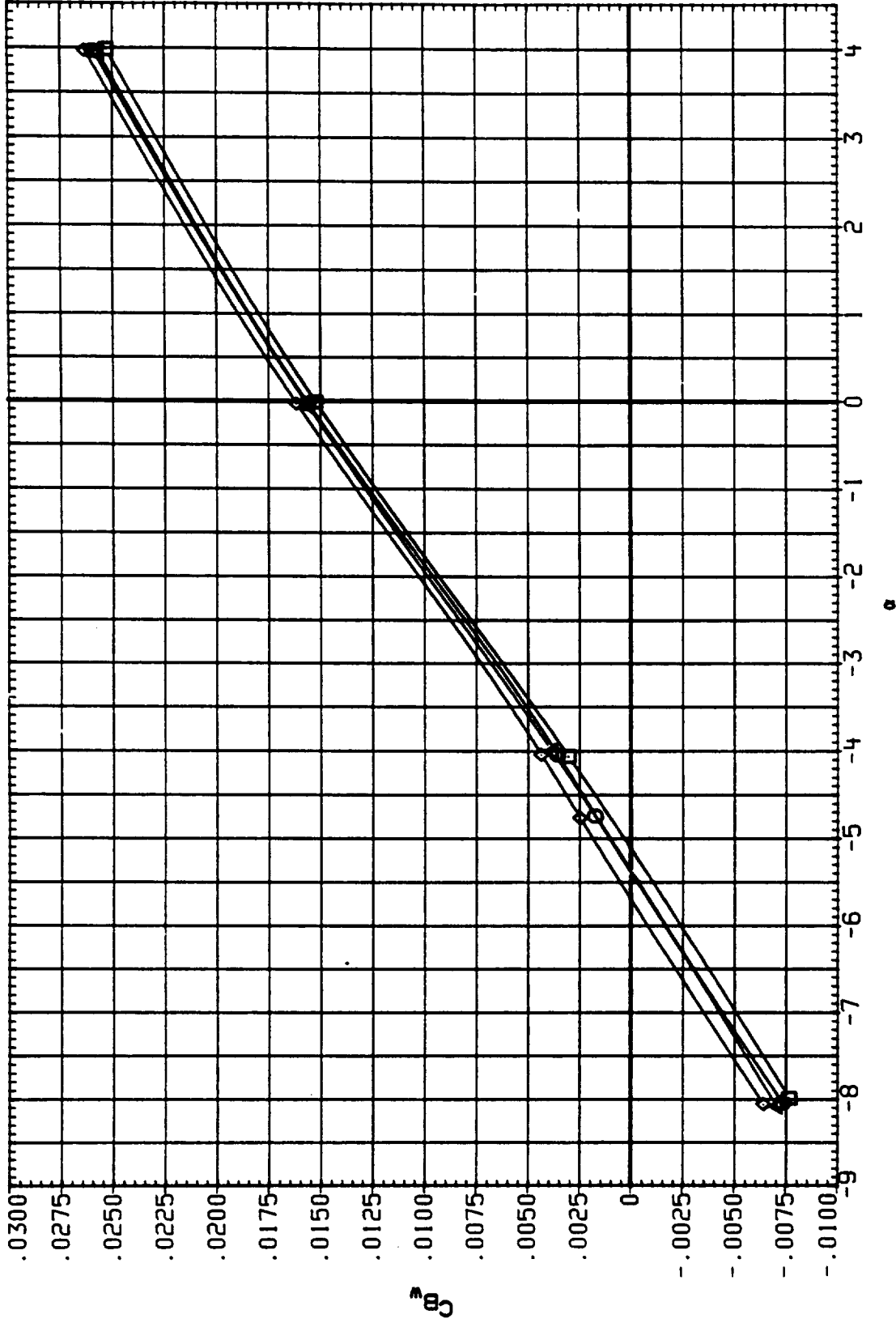


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0070
SC00A0
SC00B5
SC00B3

CONFIGURATION

1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2
1A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2

MACH

1.100
1.100
1.100
1.100

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

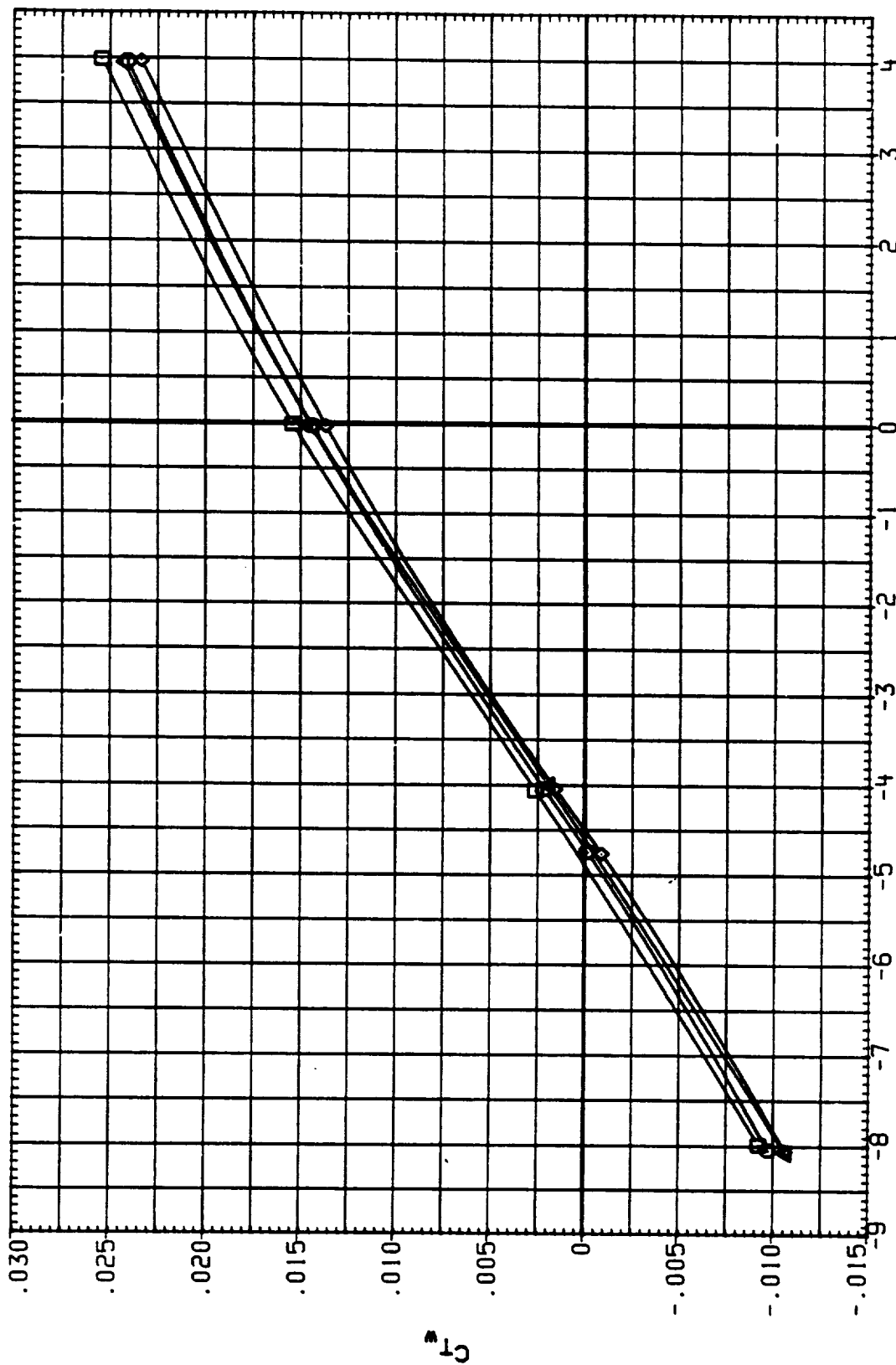


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0071	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	1.150	BOTTOM	10.000	9.000
SC00A1	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	1.150	BOTTOM	8.000	9.000
SC00B6	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	1.150	BOTTOM	10.000	9.000
SC00B4	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	1.150	BOTTOM	8.000	9.000

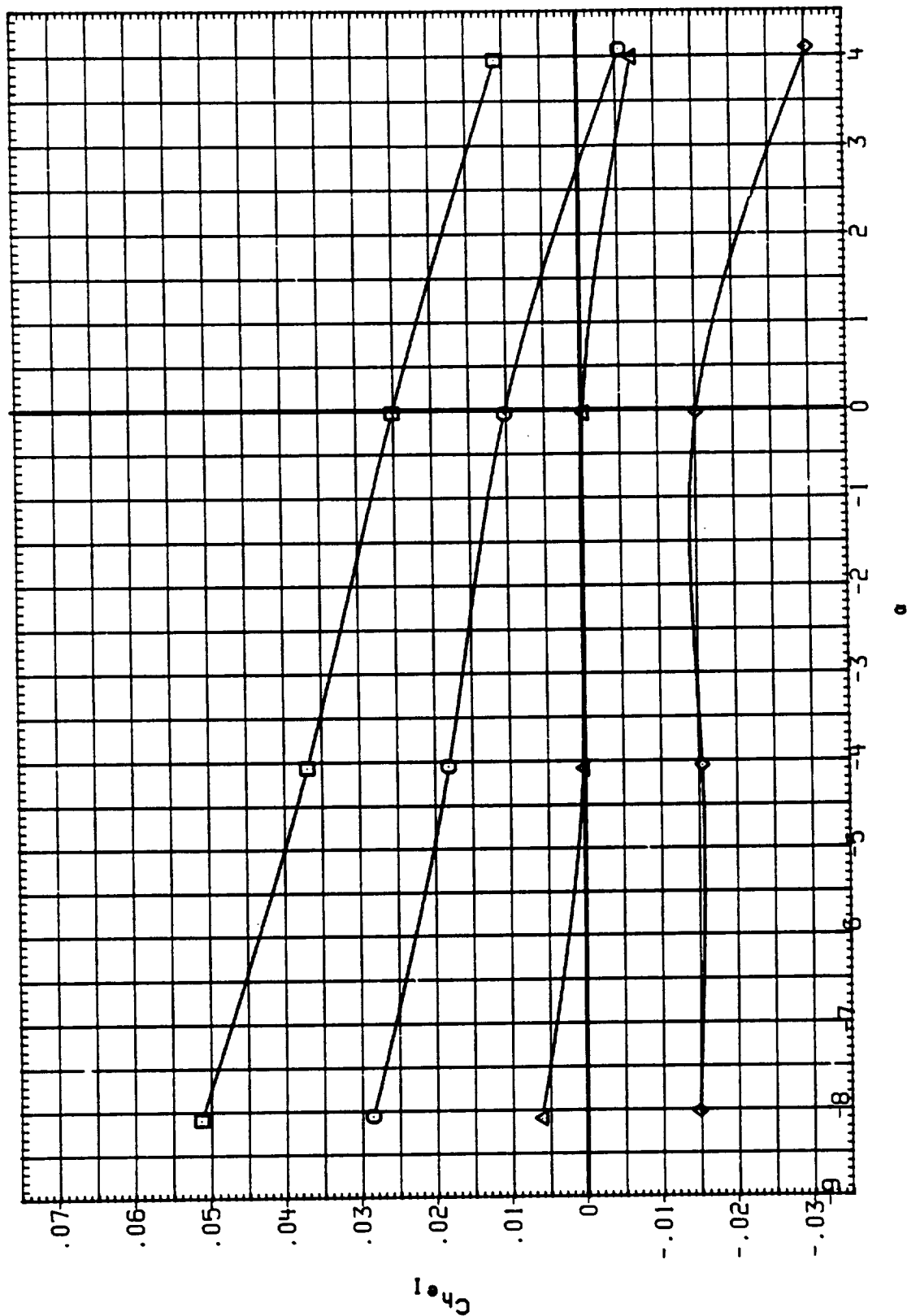


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

SC0071	IA613A(AEDC 16TF-829)	B/L OT	ASRM, PLUMES OFF	1.150	BOTTOM	9.000
SC00A1	IA613A(AEDC 16TF-829)	B/L OT	ASRM, PLUMES OFF	1.150	BOTTOM	9.000
SC00B6	IA613A(AEDC 16TF-829)	B/L OT	ASRM+PLUMES S1.2	1.150	BOTTOM	9.000
SC00B4	IA613A(AEDC 16TF-829)	B/L OT	ASRM+PLUMES S1.2	1.150	BOTTOM	9.000

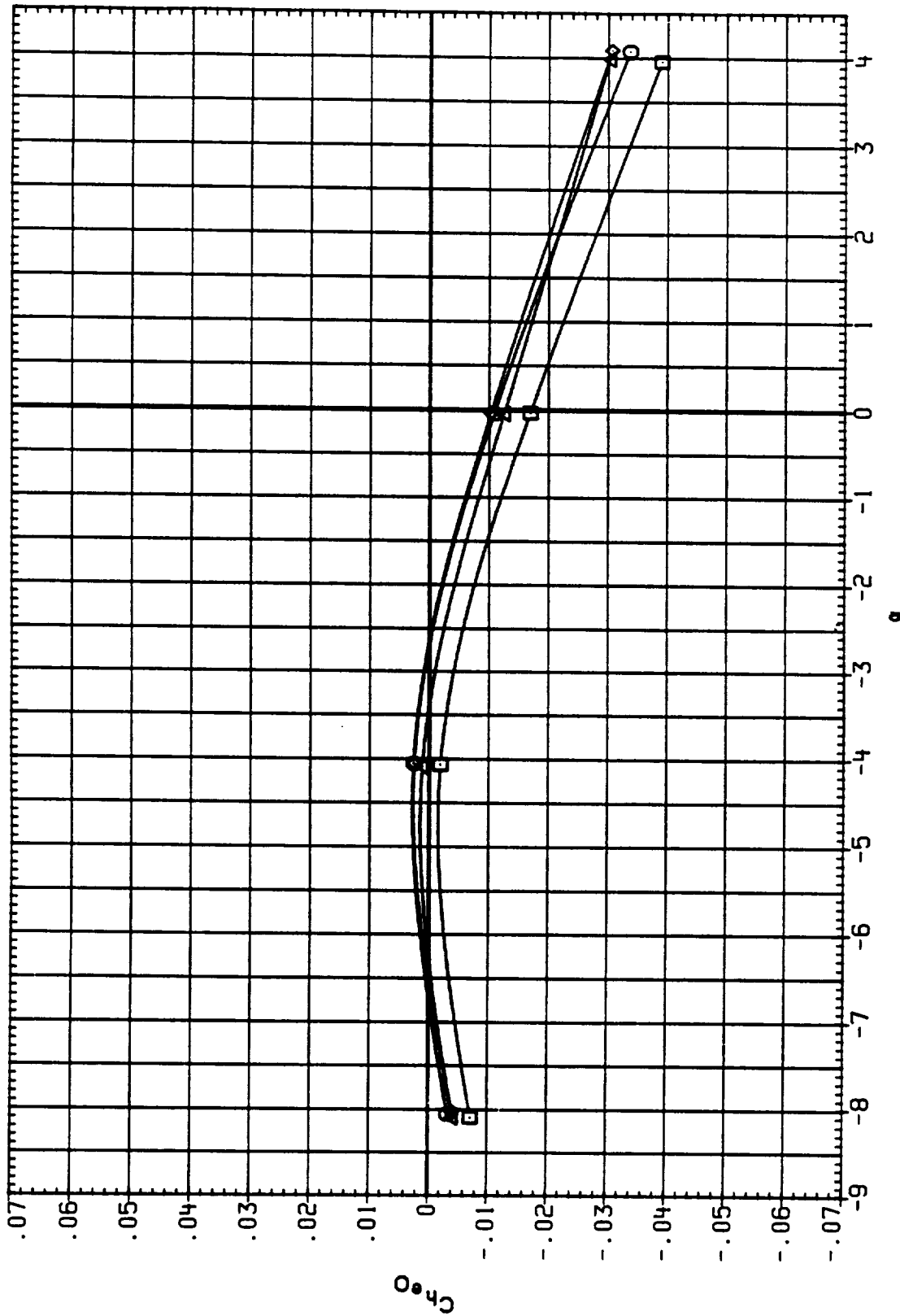


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IS-ILV	CS-ILV
SC0071	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLV	1.150	BOTTOM	10.000	9.000
SC00A1	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLV	1.150	BOTTOM	8.000	9.000
SC00B6	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES	1.150	BOTTOM	10.000	9.000
SC00B4	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.150	BOTTOM	8.000	9.000

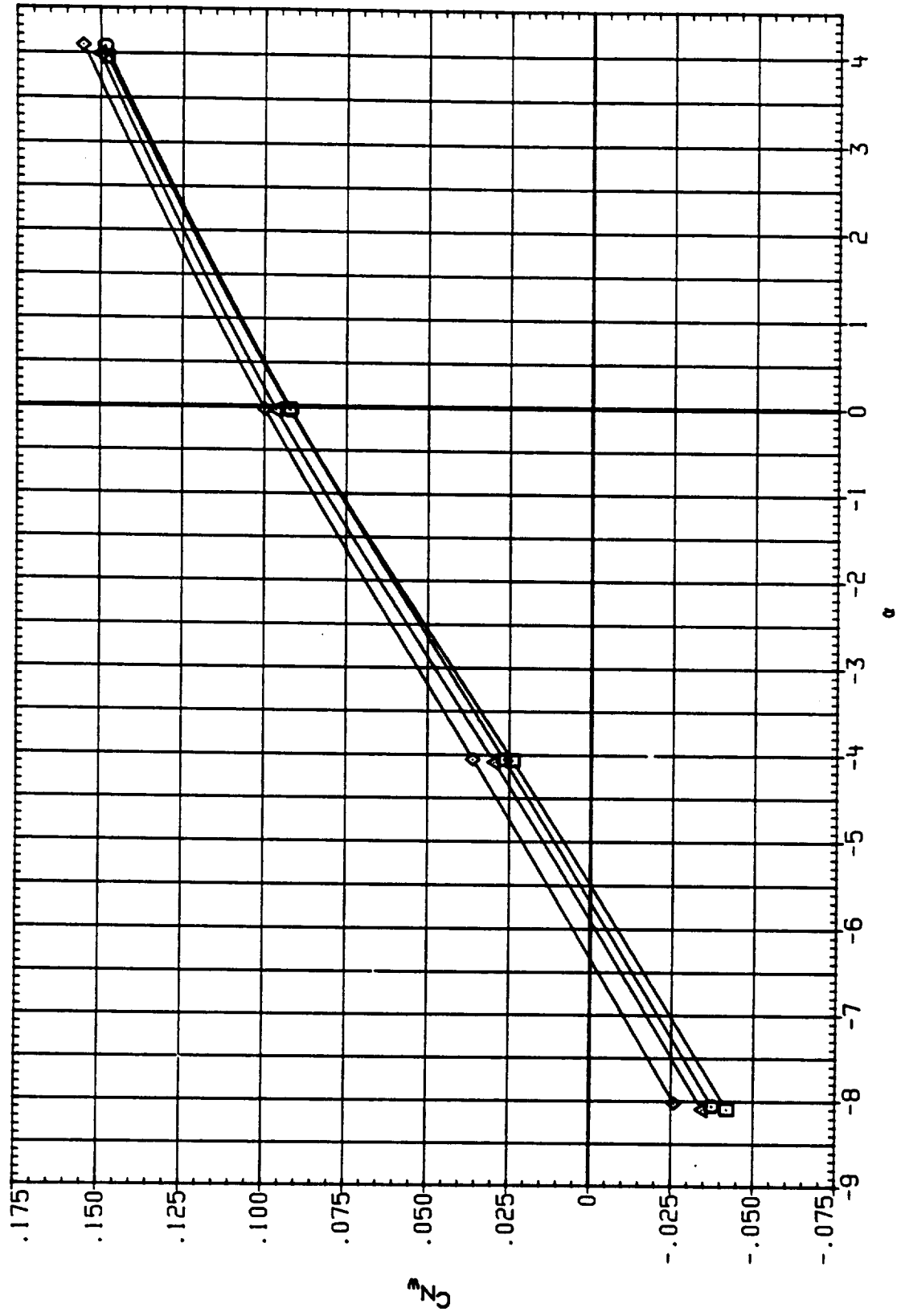


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IEARBOX	IE-EL	US-EL
SC0071	○	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUNES OFF	1.150	BOTTOM	10.000	9.000
SC00A1	□	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUNES OFF	1.150	BOTTOM	8.000	9.000
SC00B6	◇	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.150	BOTTOM	10.000	9.000
SC00B4	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.150	BOTTOM	8.000	9.000

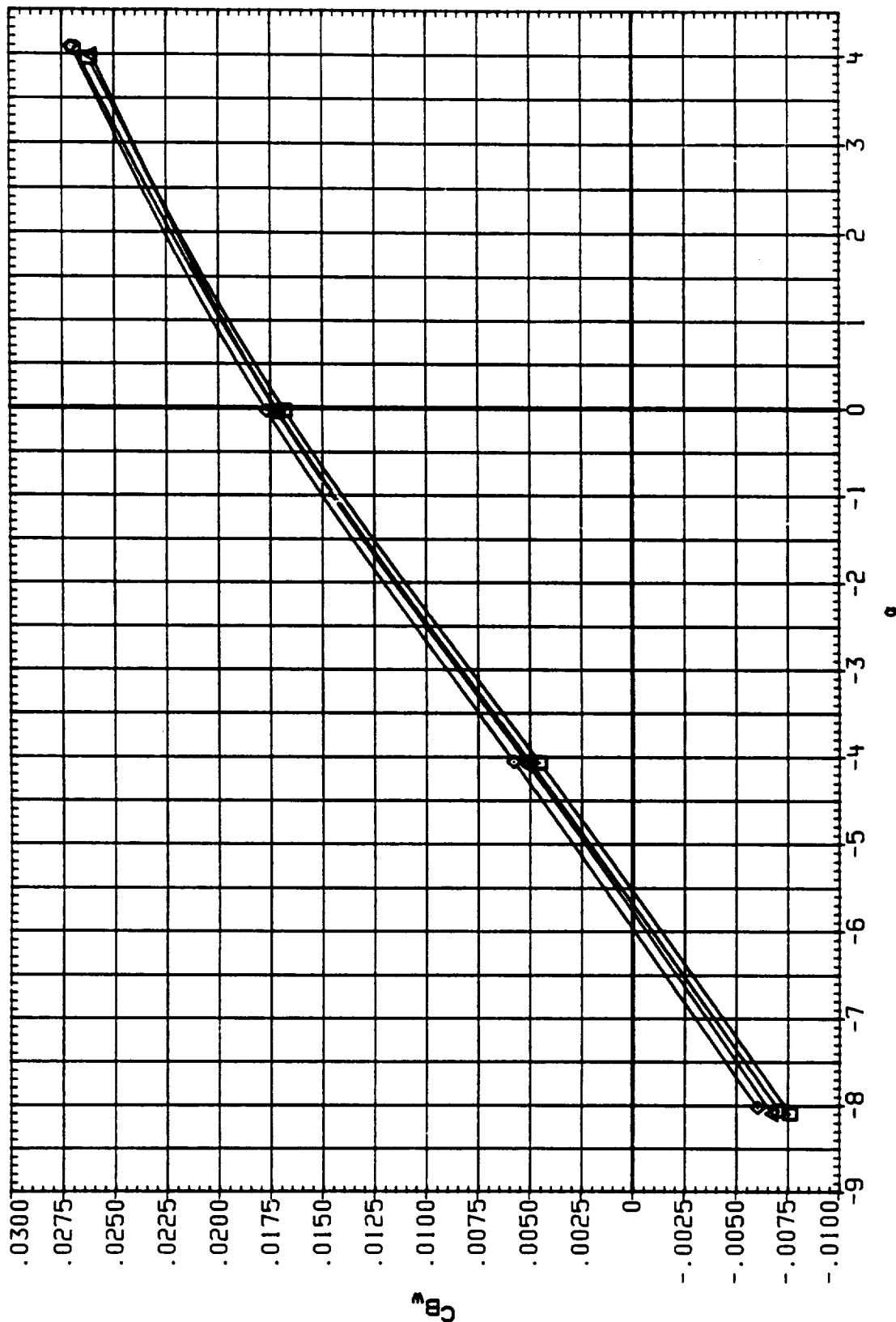


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
SC0071	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.150	BOTTOM	10.000	9.000
SC00A1	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.150	BOTTOM	8.000	9.000
SC00B6	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
SC00B4	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	8.000	9.000

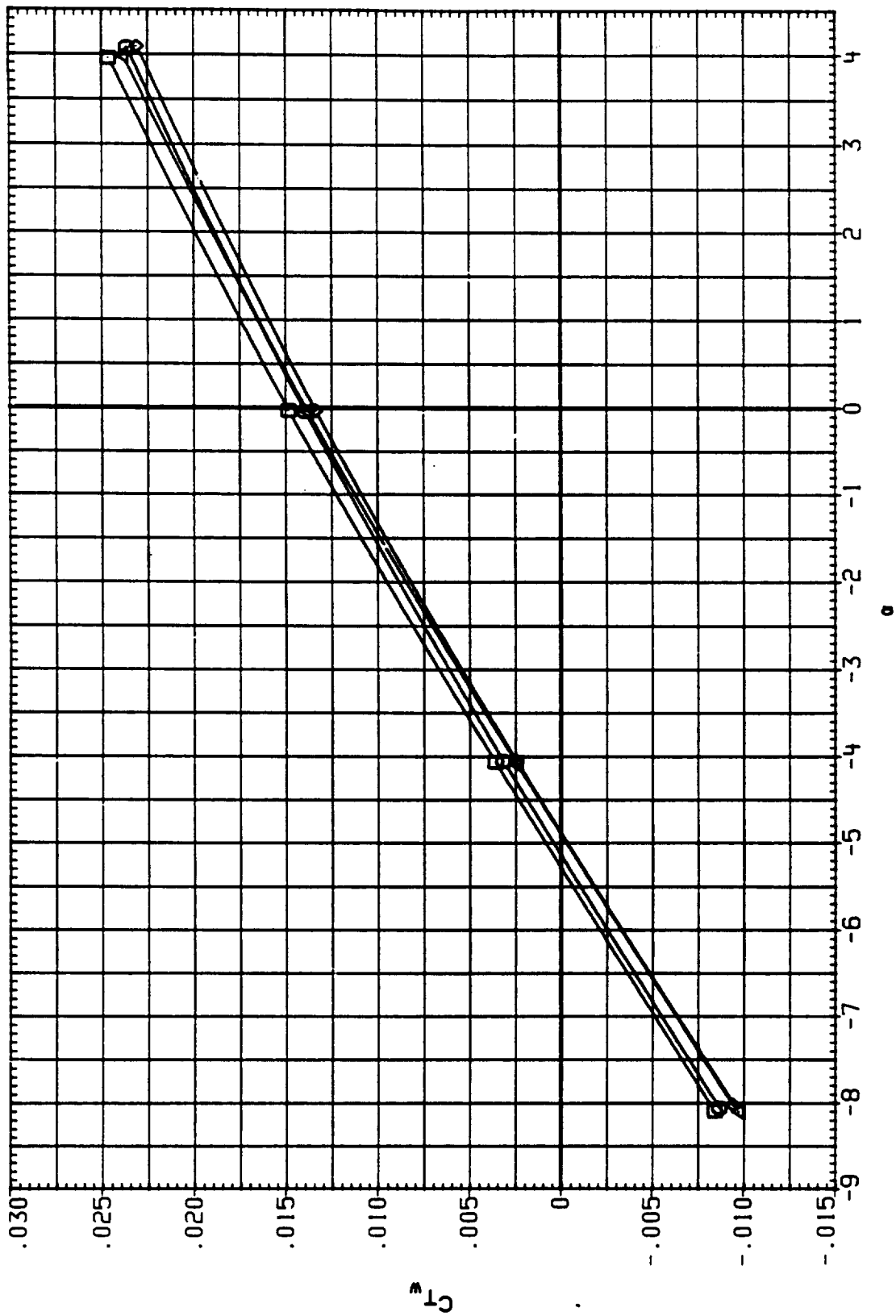


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0072	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0073	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
SC00A2	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	8.000	9.000
SC00B7	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	BOTTOM	10.000	9.000
SC00B8	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.250	BOTTOM	10.000	5.000
SC00B5	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	BOTTOM	8.000	9.000

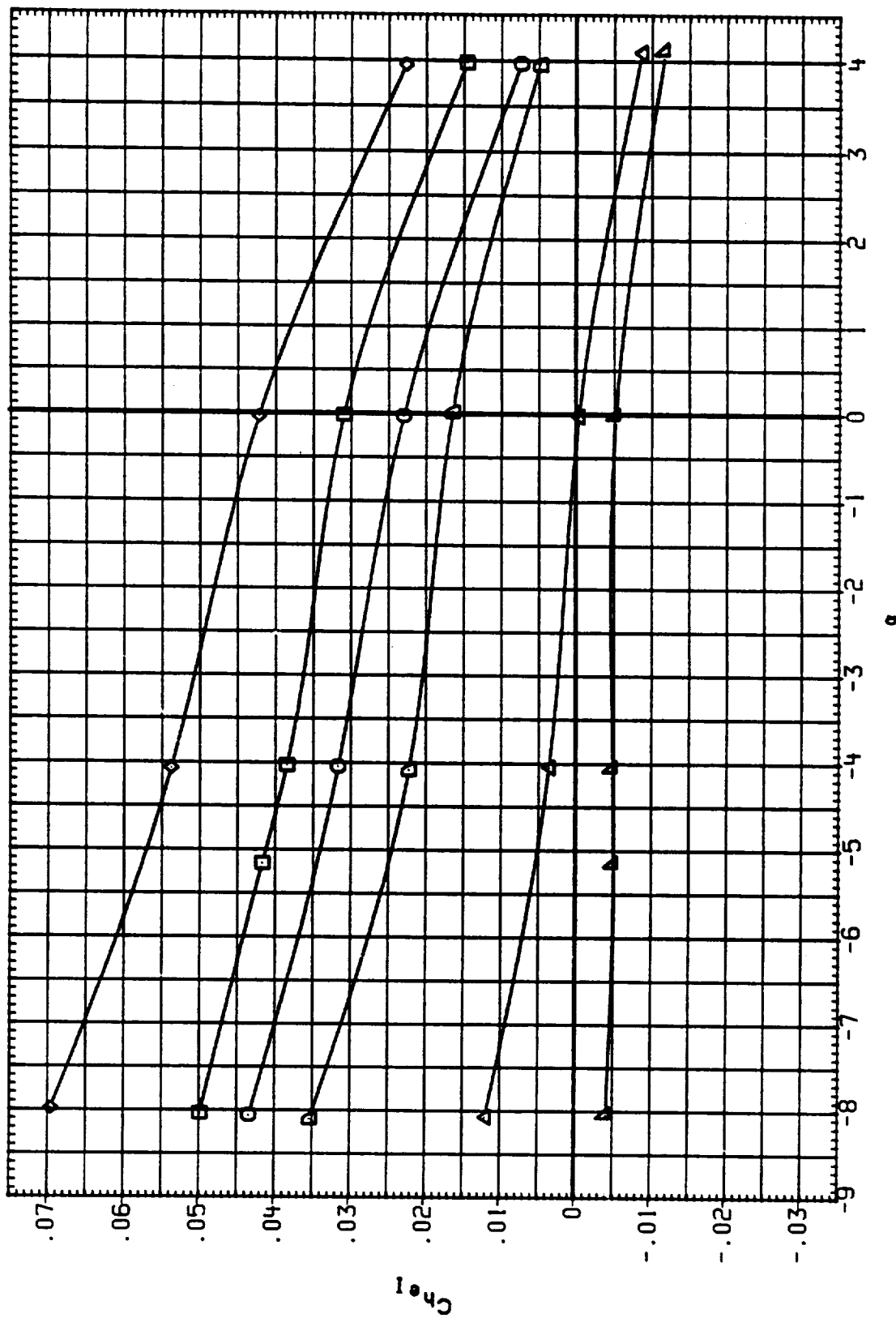


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	ACH	1EABOX	1B-ELV	OB-ELV
SC0072	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	1.250	80110M	10.000	9.000
SC0073	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	1.250	80110M	10.000	5.000
SC00A2	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	1.250	80110M	8.000	9.000
SC00B7	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES 51.2	1.250	80110M	10.000	9.000
SC00B8	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES 51.3	1.250	80110M	10.000	5.000
SC00B5	1A613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES 51.2	1.250	80110M	8.000	9.000

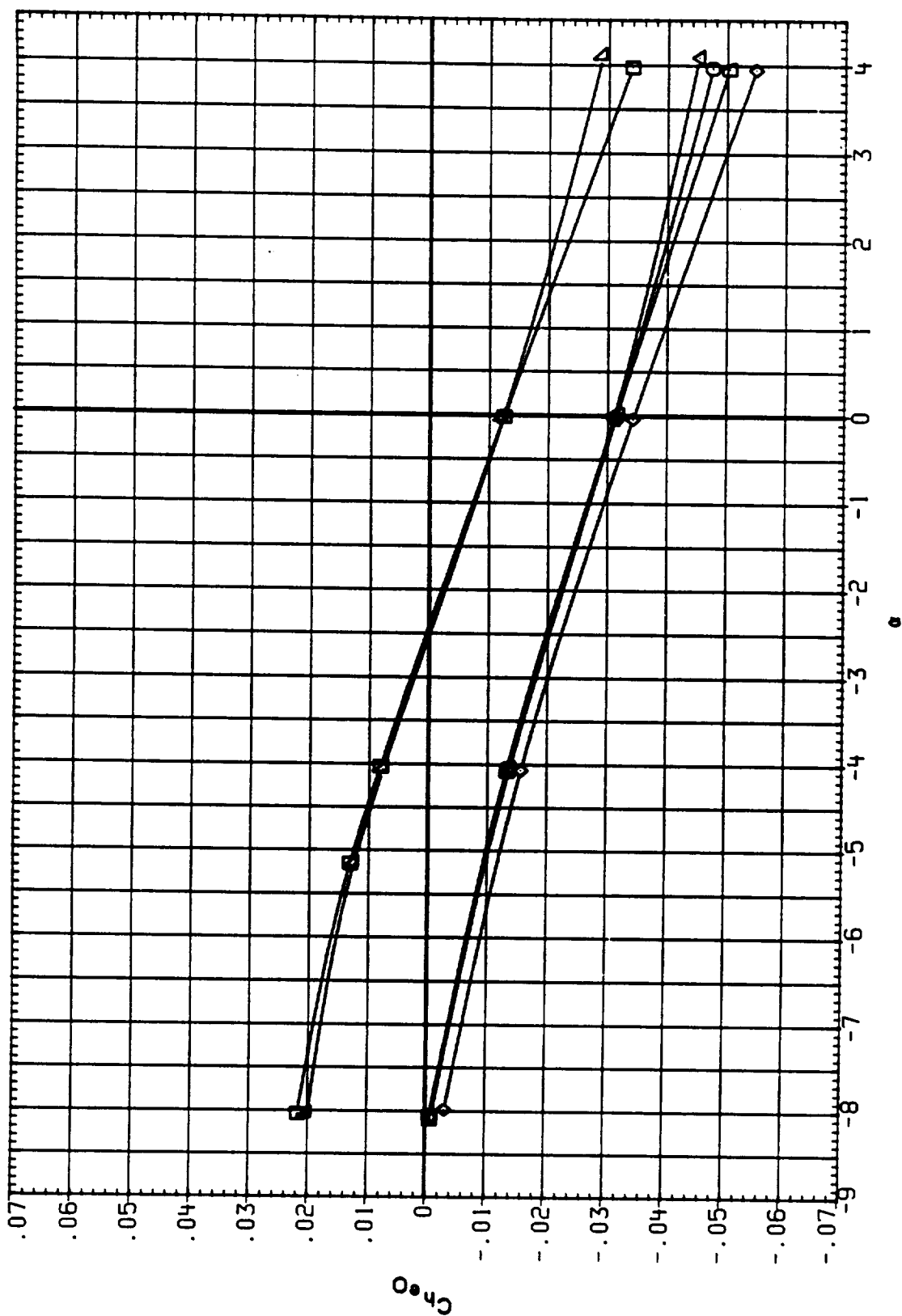


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
SC0072	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0073	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	5.000
SC00A2	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0087	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC0088	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES S1.3	1.250	BOTTOM	10.000	5.000
SC00B5	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES S1.2	1.250	BOTTOM	8.000	9.000

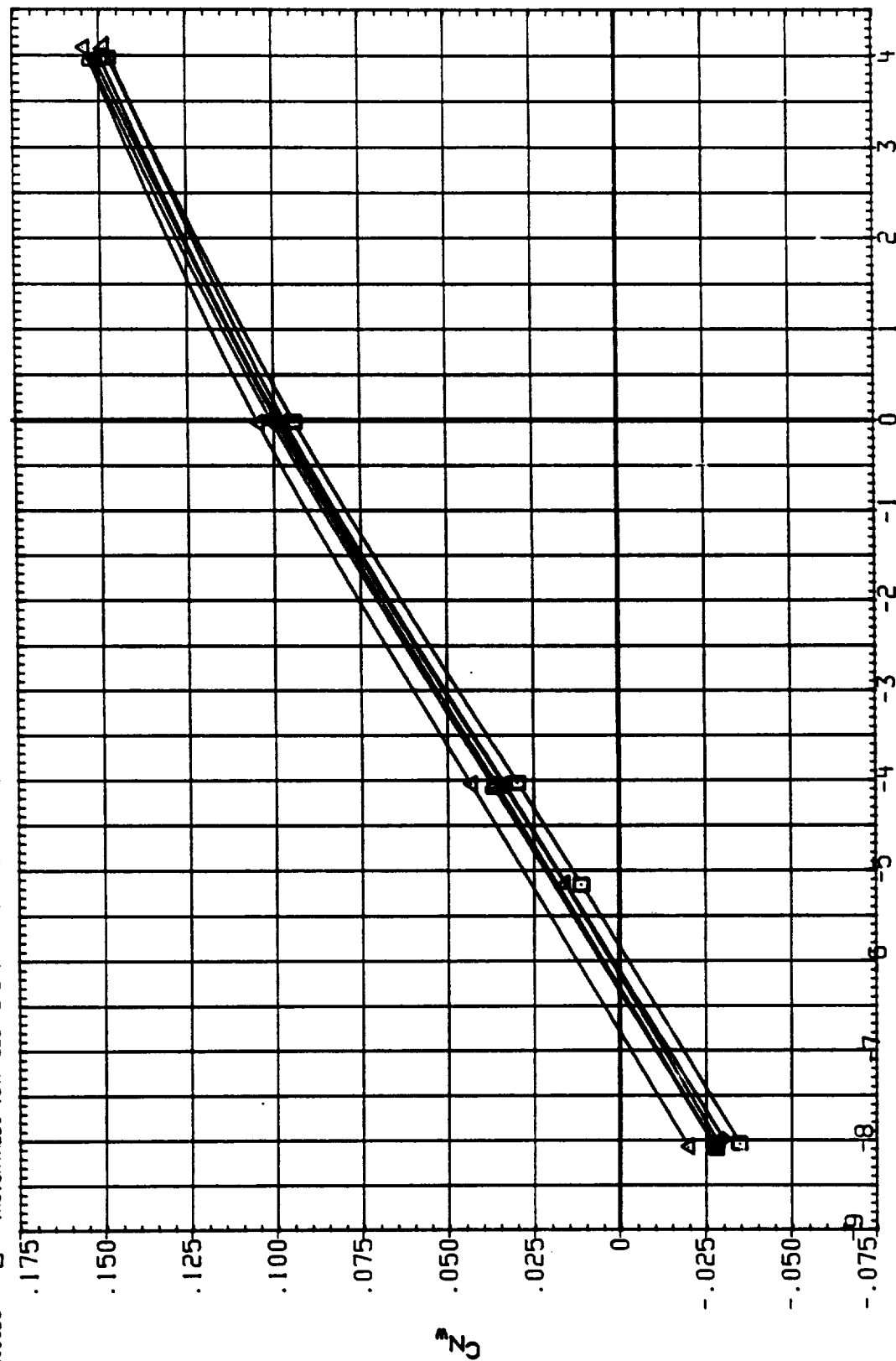


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	EA, H	FLAP, D	RE, L	RE, L
SC0072	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	BOTTOM	10.000	9.000
SC0073	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	BOTTOM	10.000	5.000
SC00A2	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	BOTTOM	8.000	9.000
SC00B7	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLU	1.250	BOTTOM	10.000	9.000
SC00B8	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLU	1.250	BOTTOM	10.000	5.000
SC00B5	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLU	1.250	BOTTOM	8.000	9.000

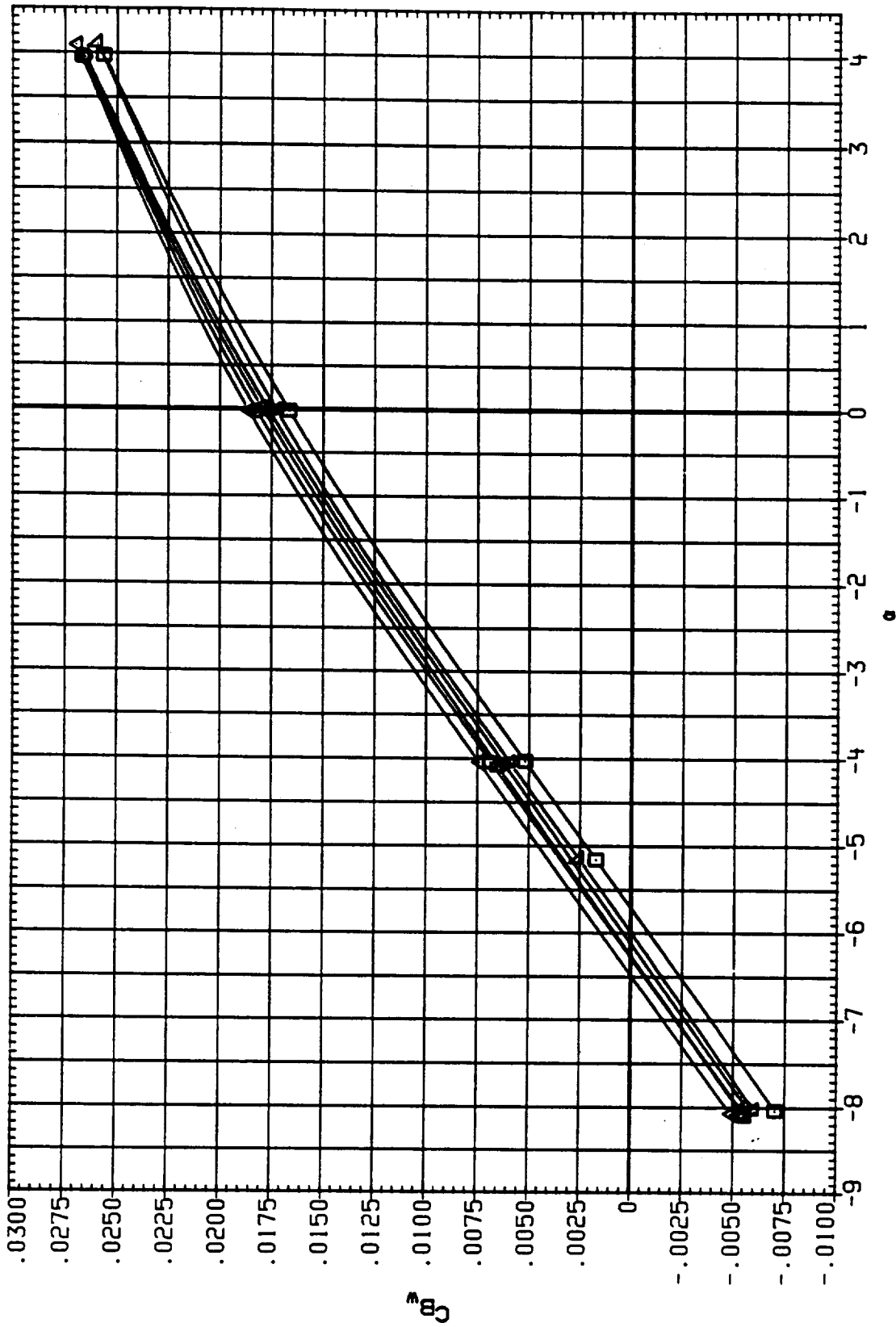


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0072	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0073	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
SC0082	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	8.000	9.000
SC0087	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	BOTTOM	10.000	9.000
SC0088	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.250	BOTTOM	10.000	5.000
SC0089	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	BOTTOM	8.000	9.000

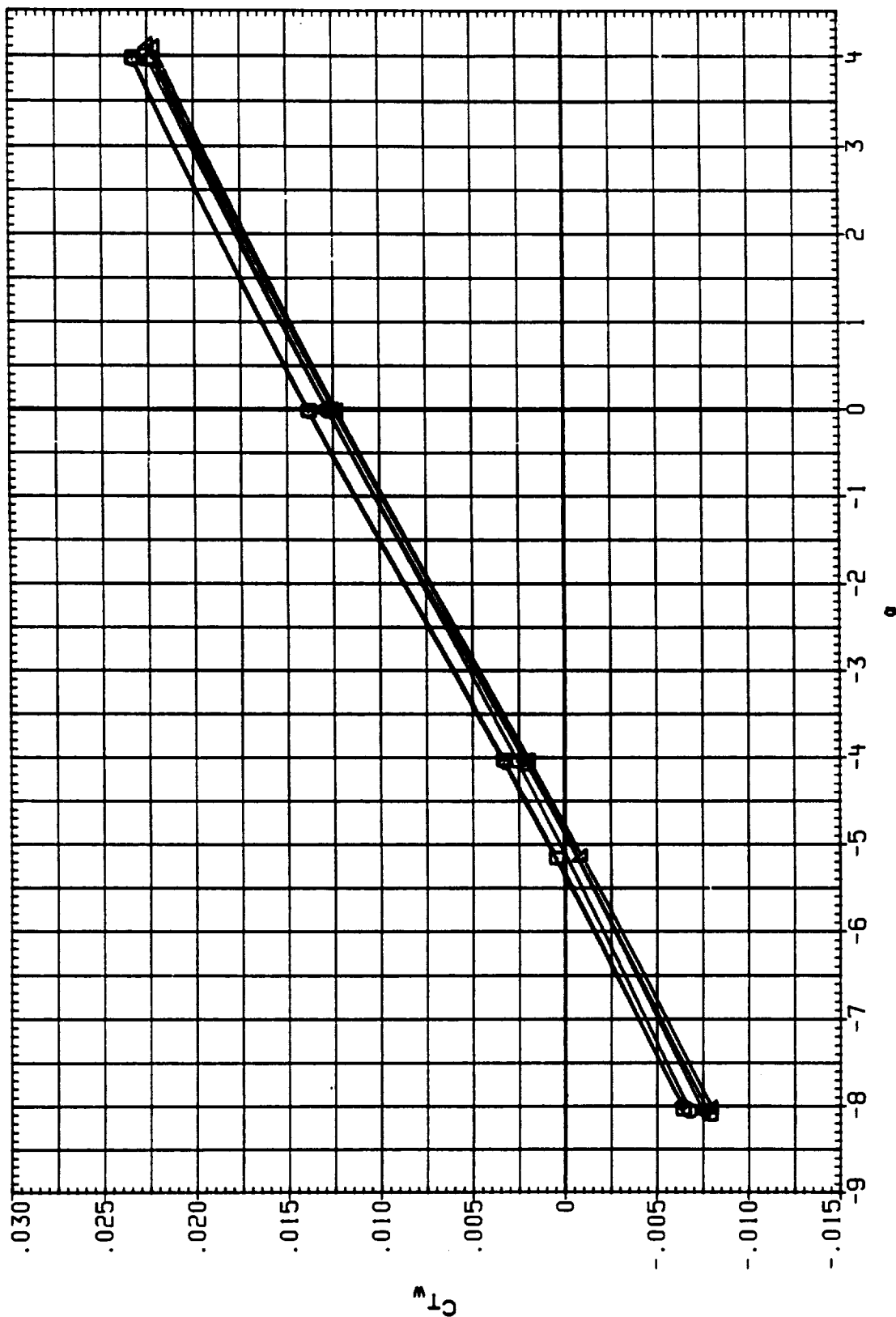


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC0074	IAGI3A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES	1.300	BOTTOM	10.000	5.000
SC0044	IAGI3A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES	1.300	BOTTOM	8.000	5.000
SC0089	IAGI3A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES SI.3	1.300	BOTTOM	10.000	5.000
SC0087	IAGI3A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES SI.3	1.300	BOTTOM	8.000	5.000

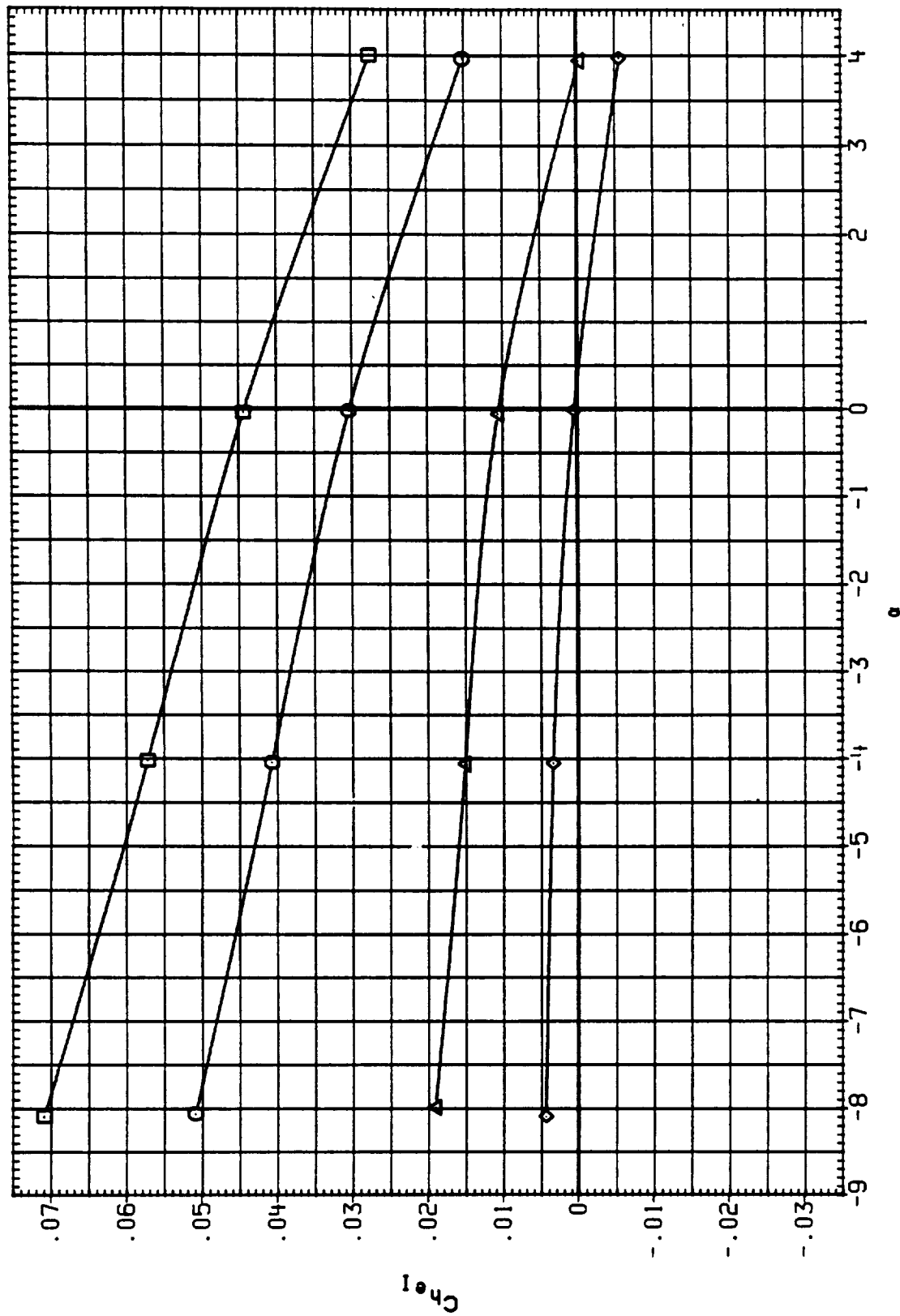


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE BOX	IB-ELV	OB-ELV
SC0074	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0084	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.300	BOTTOM	10.000	5.000
SC0087	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.300	BOTTOM	8.000	5.000

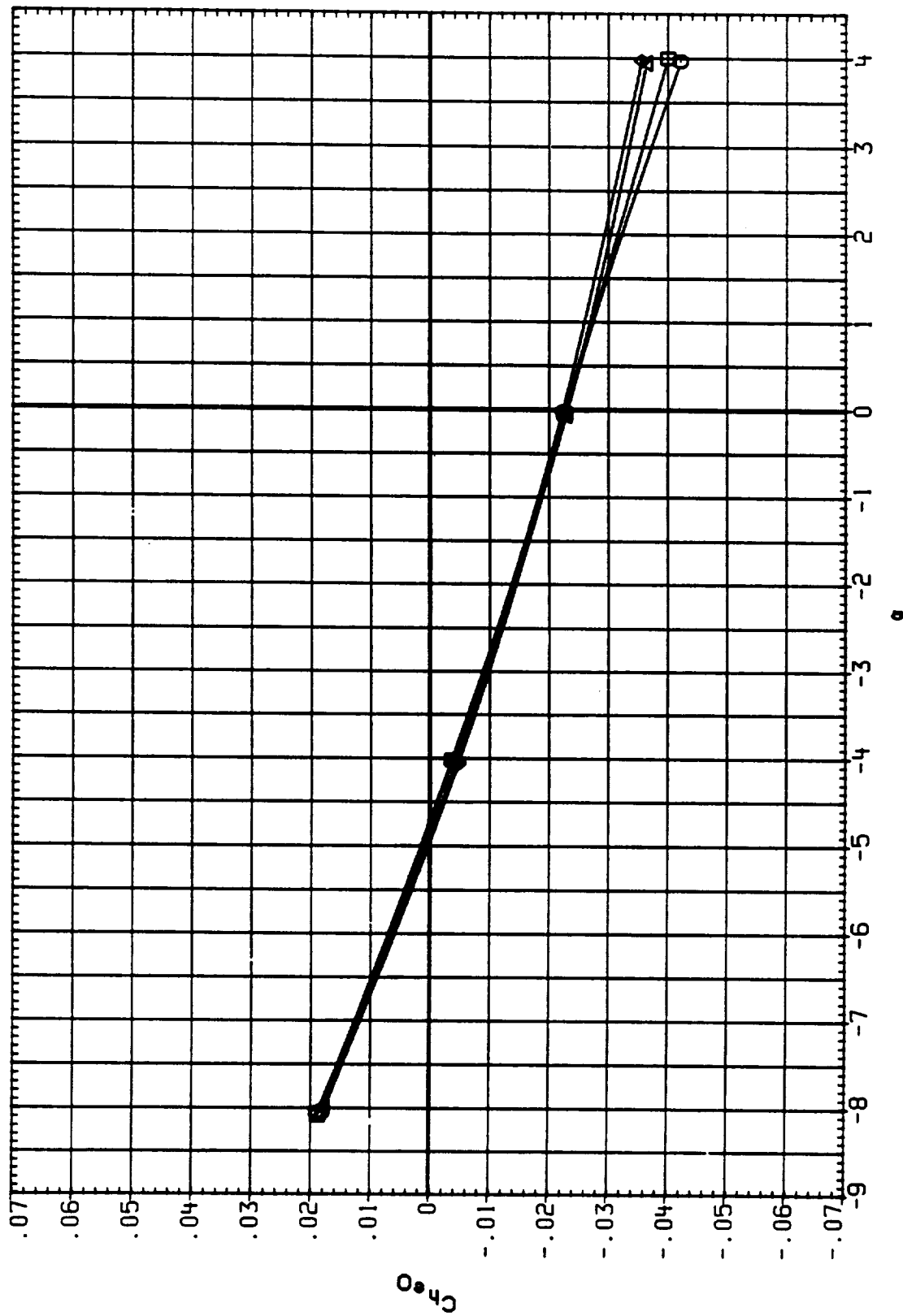


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	1ACH	1EABOX	1B-ELV	0B-ELV
SC0074	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC00A4	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC00B9	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00B7	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

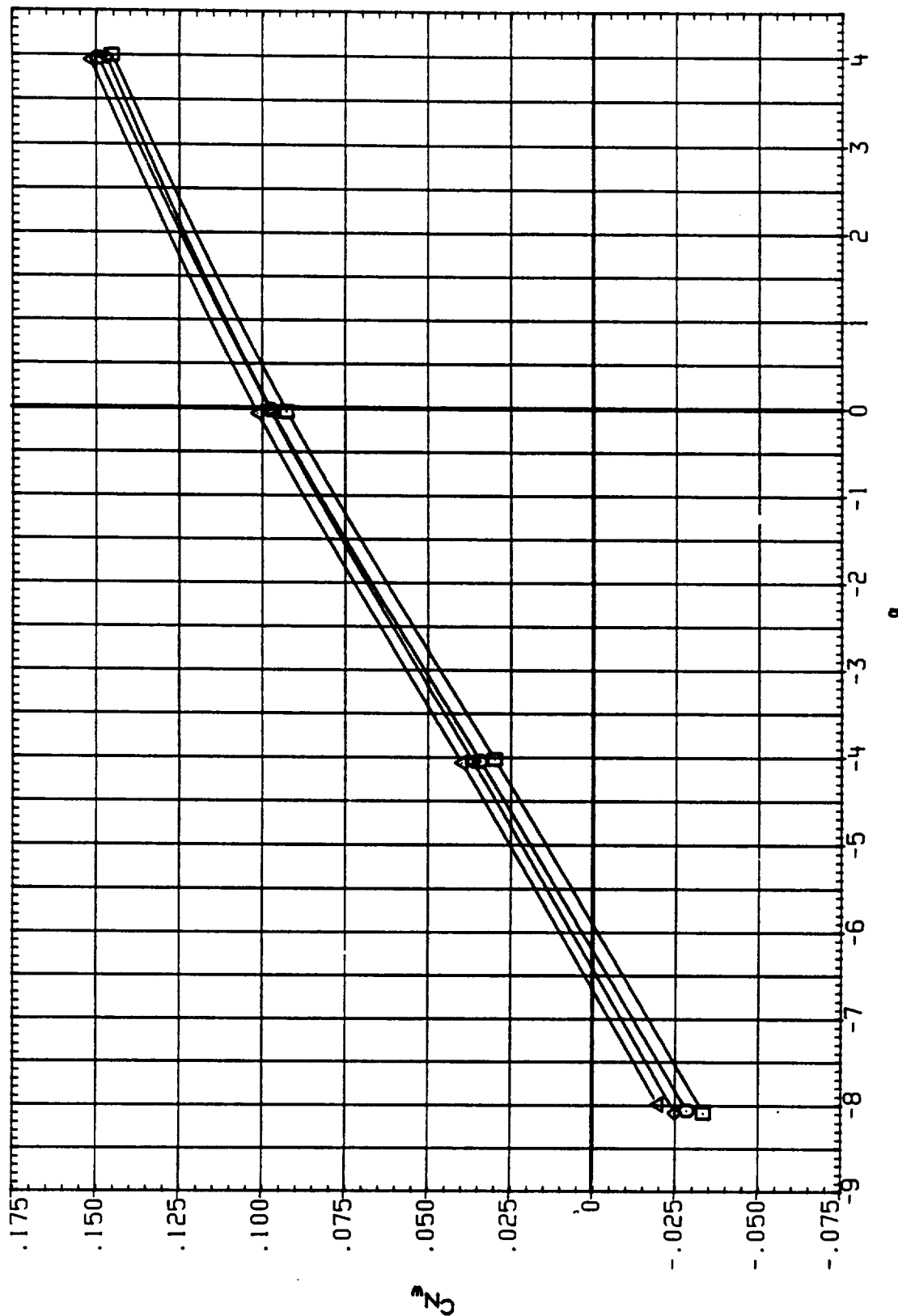


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0074	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0044	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	△	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES SI.3	1.300	BOTTOM	10.000	5.000
SC0087	△	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES SI.3	1.300	BOTTOM	8.000	5.000

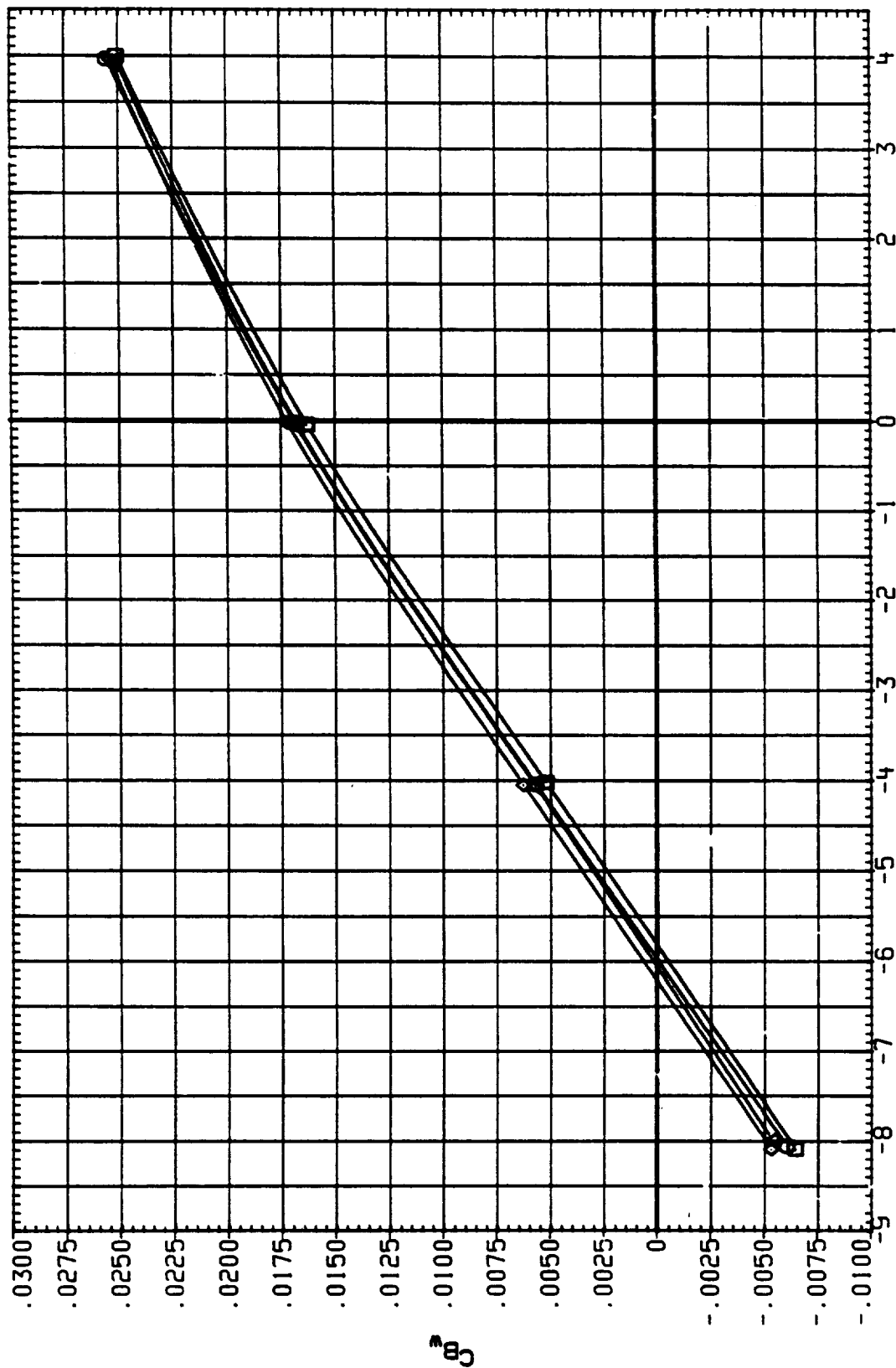


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
SC0074	□	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0084	◇	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	◇	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC0087	△	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

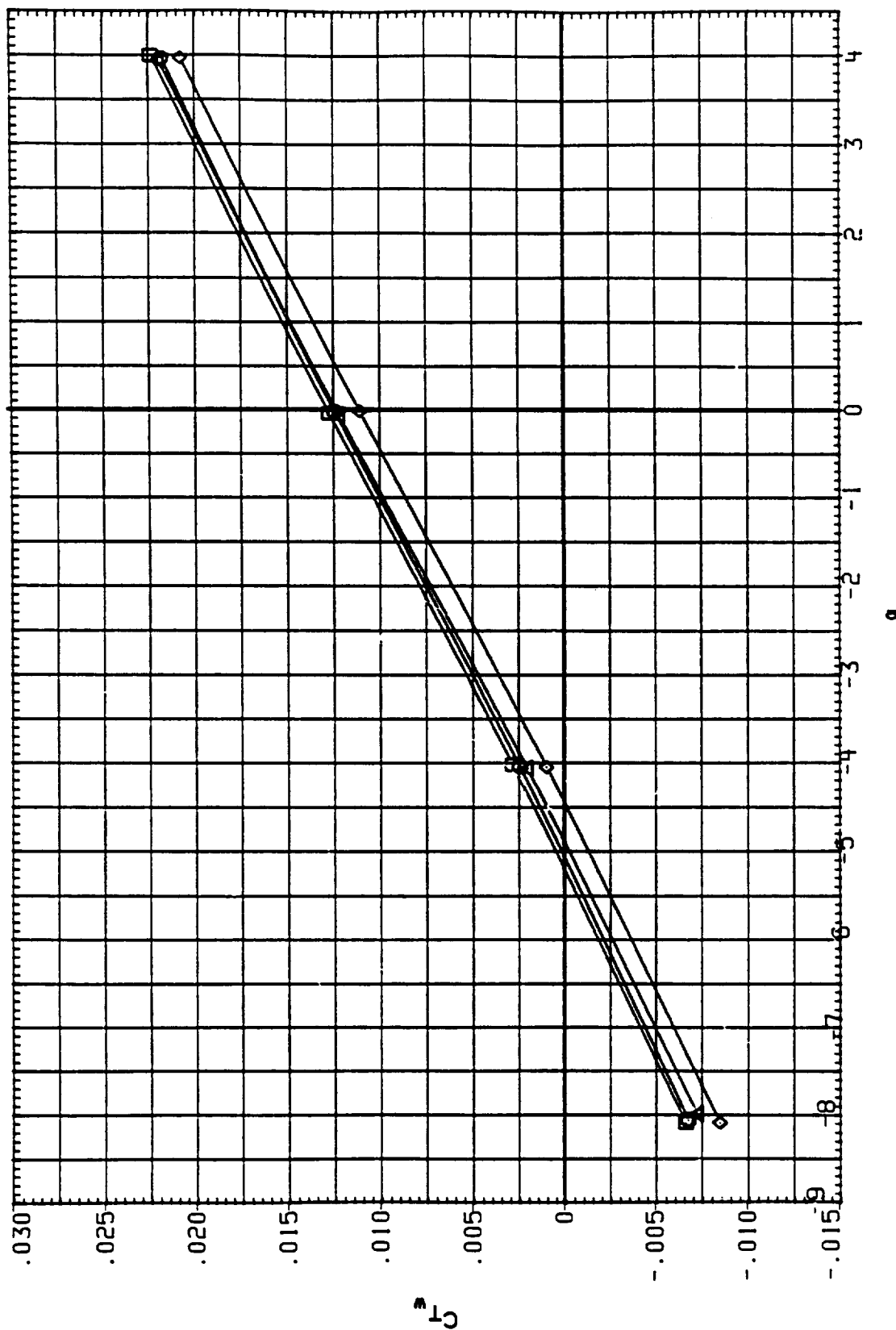


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	US-ELV
SC0075	□	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	1.350	BOTTOM	10.000	5.000
SC00A5	□	IA613A1AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF	1.350	BOTTOM	8.000	5.000
SC0090	◇	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3	1.350	BOTTOM	10.000	5.000
SC0088	△	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3	1.350	BOTTOM	8.000	5.000

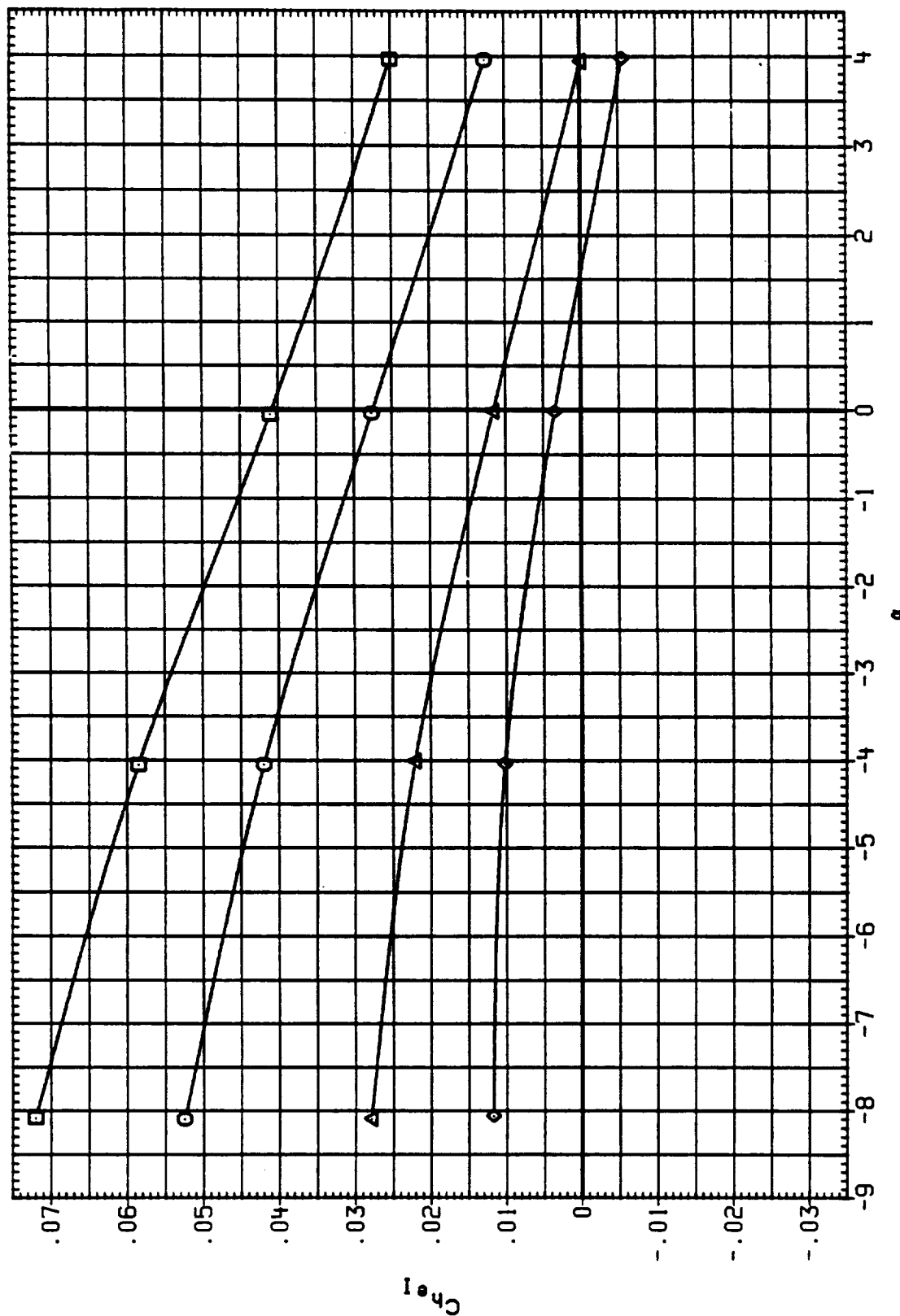


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0075	IAB13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	1.350	BOTTOM	10.000	5.000
SC00A5	IAB13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	1.350	BOTTOM	8.000	5.000
SC0090	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.350	BOTTOM	10.000	5.000
SC0088	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.350	BOTTOM	8.000	5.000

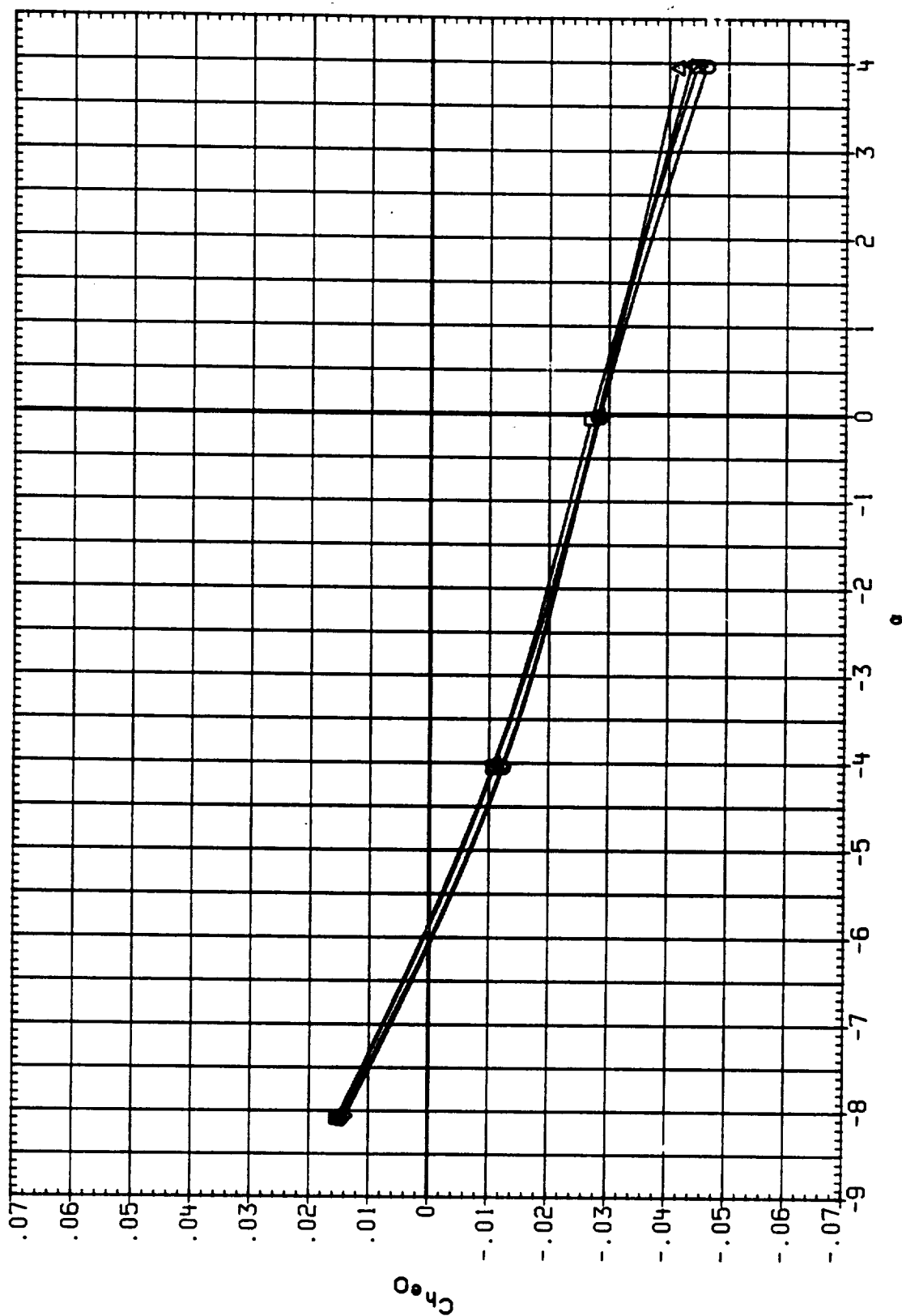


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
SC0075	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
SC00A5	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
SC0090	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
SC0088	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

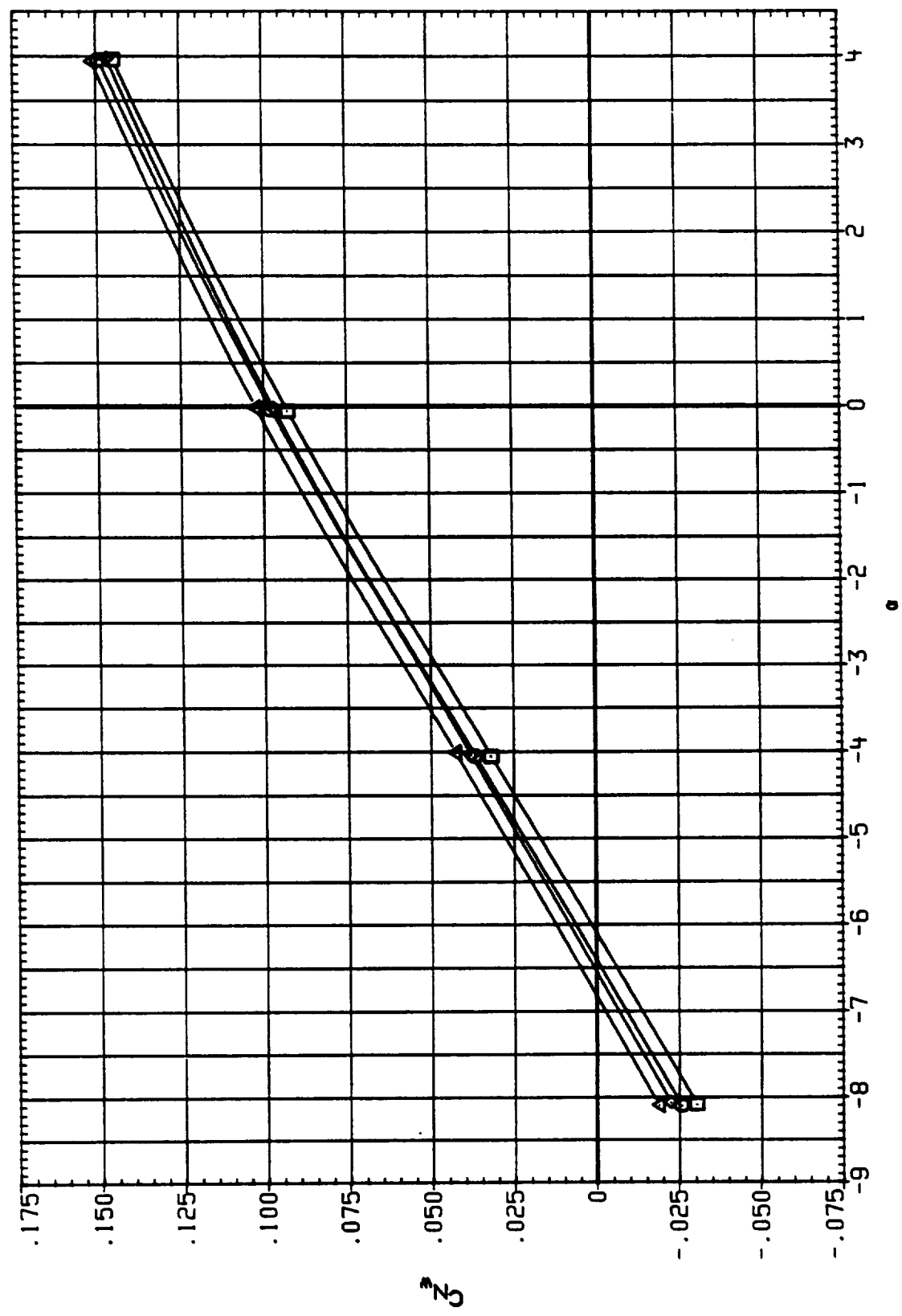


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0075
SC00A5
SC0090
SC0088

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRH, PLUNES
IA613A1AEDC 161F-829) B/L OT + ASRH, PLUNES
IA613A1AEDC 161F-829) B/L OT + ASRH, PLUNES
IA613A1AEDC 161F-829) B/L OT + ASRH, PLUNES

MACH

1.350
1.350
1.350
1.350

ICABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

5.000
5.000
5.000
5.000

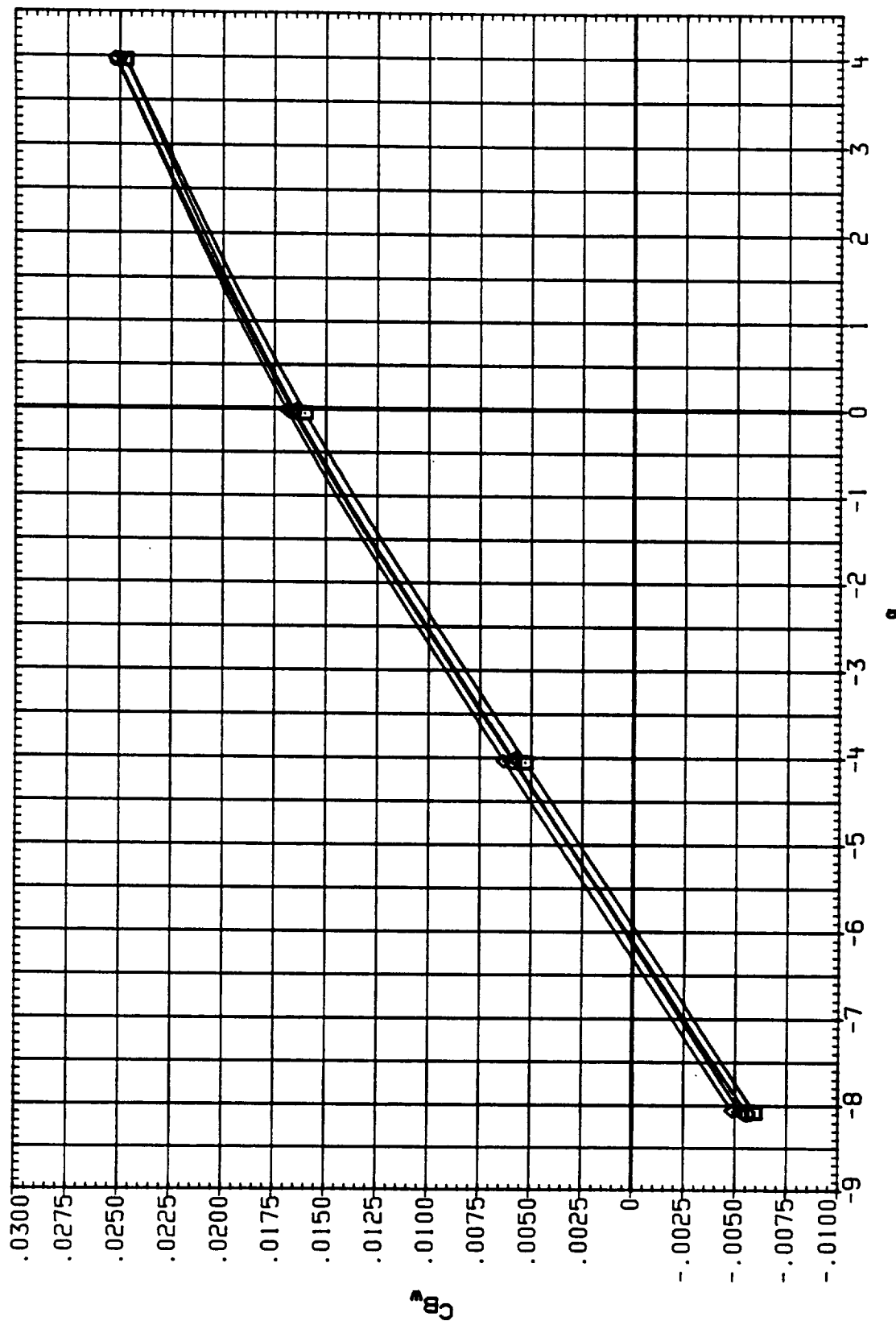


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0075	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
SC00A5	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
SC0090	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
SC0088	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

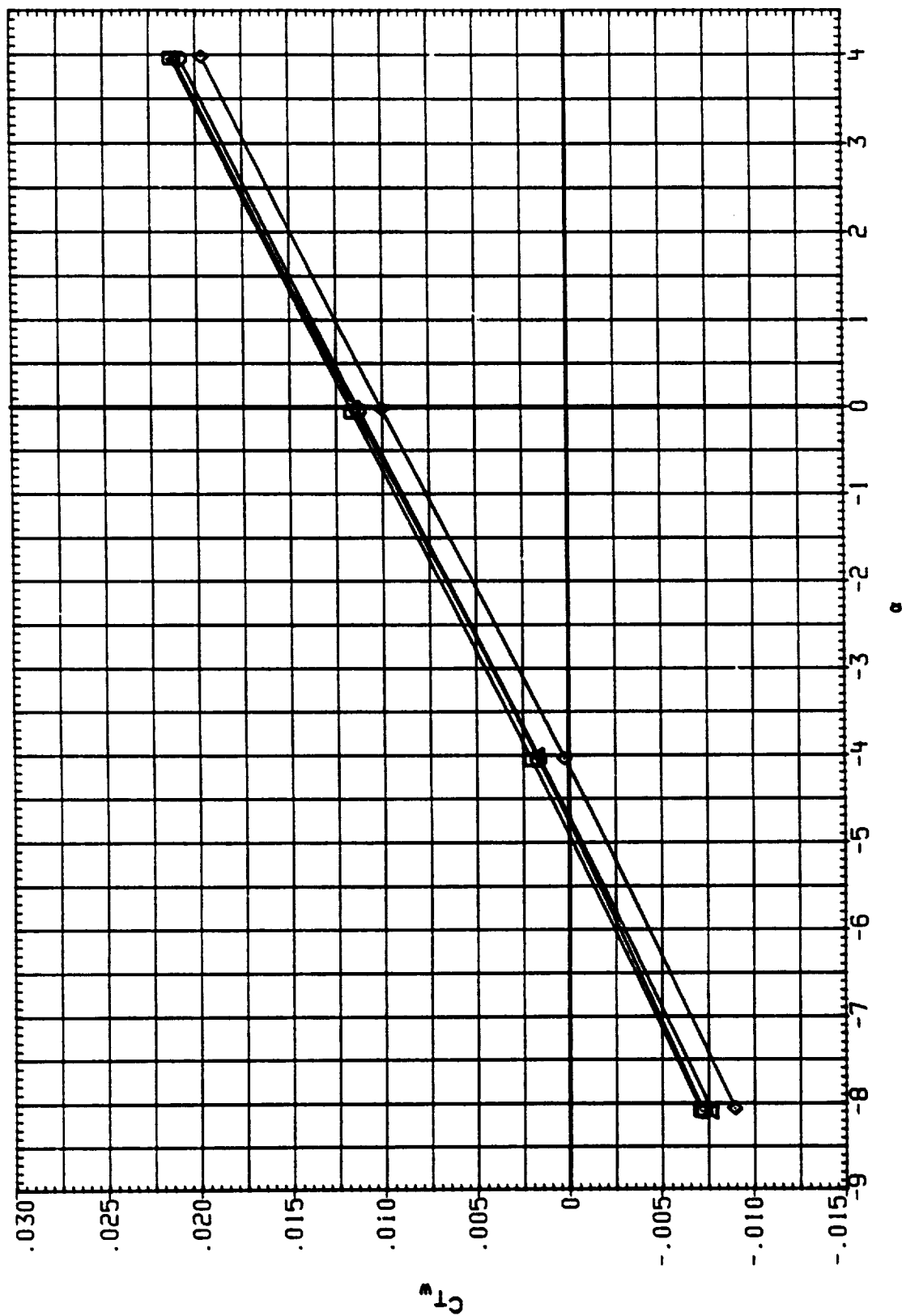


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0076
SC0078
SC00A6
SC0091
SC0093
SC00B9

CONFIGURATION

IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3
IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3

ACH 1.400 1.400 1.400 1.400 1.400 1.400
IEABOX BOTTOM BOTTOM BOTTOM BOTTOM BOTTOM
IB-ELV 10.000 10.000 8.000 10.000 10.000 8.000
OB-ELV 5.000 -5.000 5.000 -5.000 5.000 -5.000

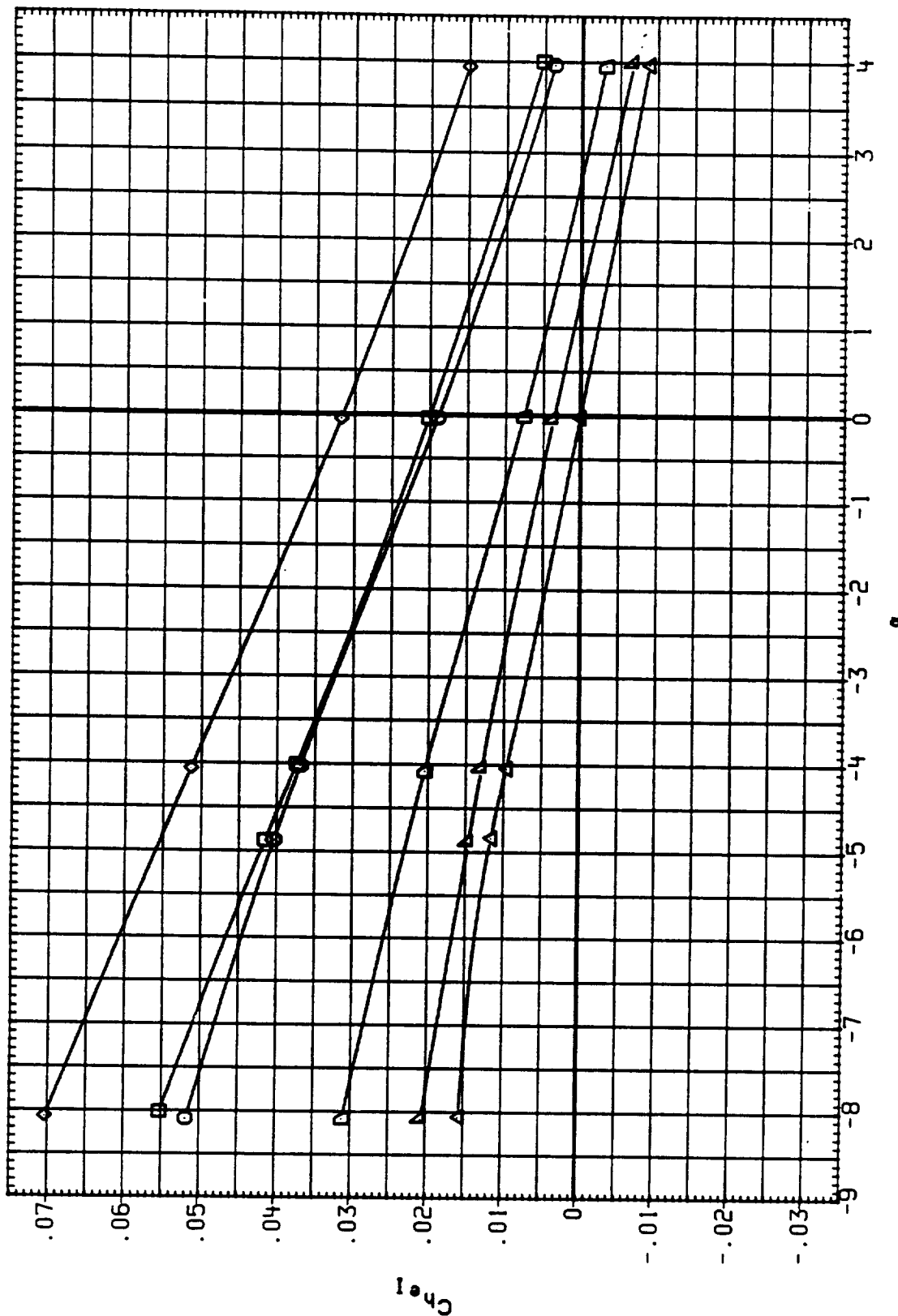


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0076	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
SC0078	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
SC00A6	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	8.000	5.000
SC0091	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.400	BOTTOM	10.000	5.000
SC0093	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.400	BOTTOM	10.000	-5.000
SC0089	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.400	BOTTOM	8.000	5.000

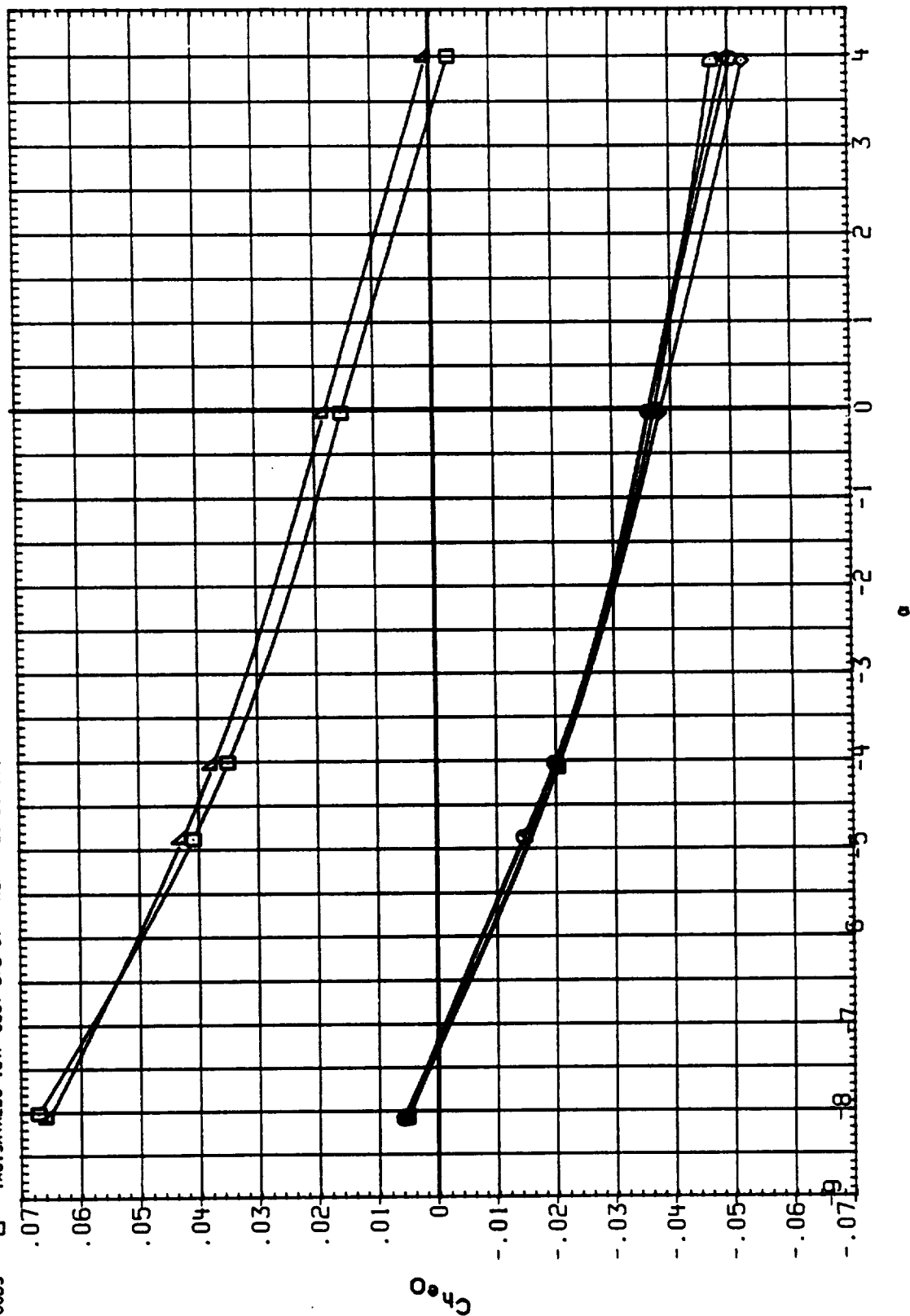


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	TE-AGGA	IS-ELV	LS-LEV
SC0076	□	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM	1.400	BOTTOM	10.000	5.000
SC0078	□	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM	1.400	BOTTOM	10.000	-5.000
SC00A6	◇	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM	1.400	BOTTOM	10.000	5.000
SC0091	△	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC0093	△	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
SC00B9	△	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	BOTTOM	8.000	5.000

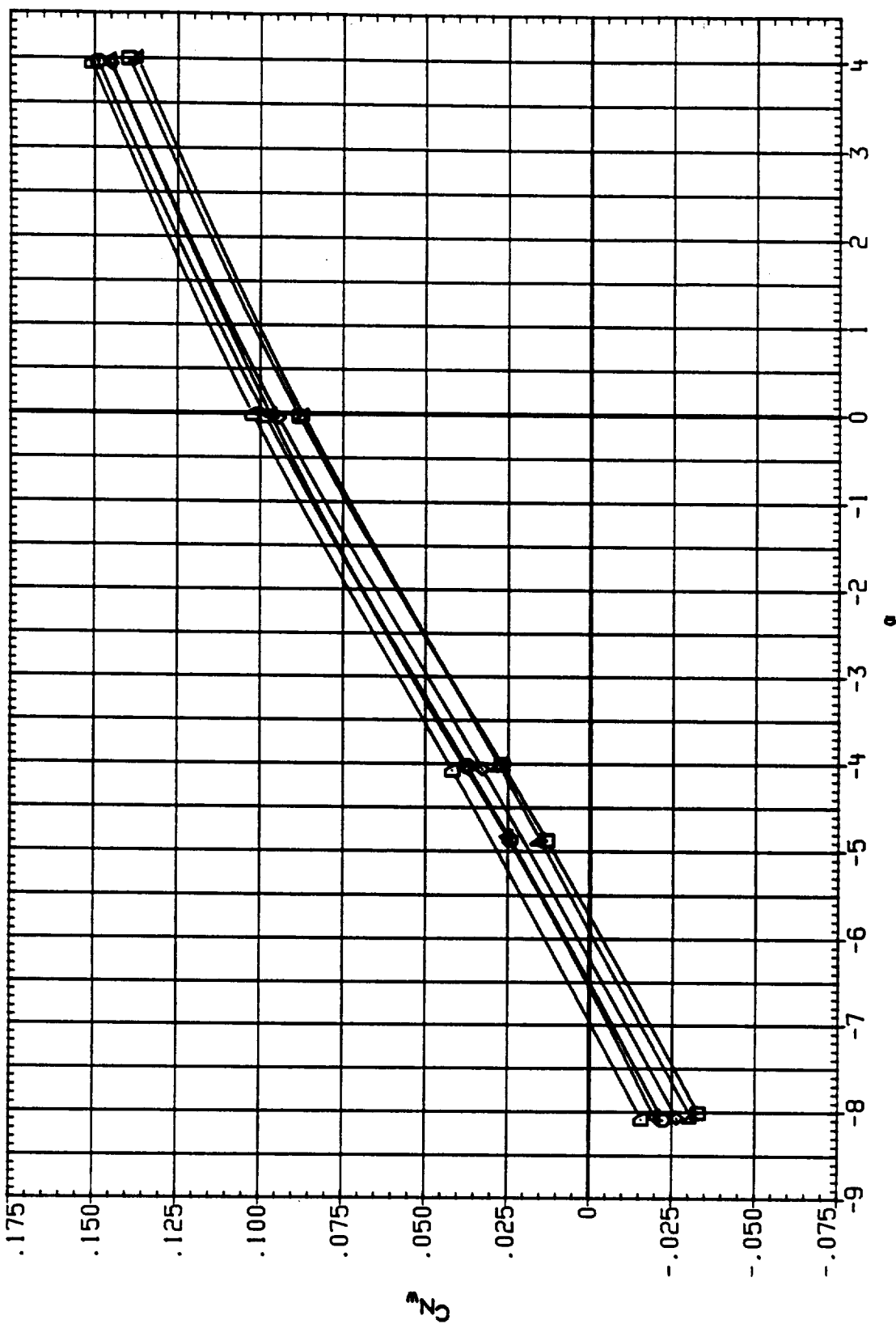


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0076	□	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
SC0078	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
SC0086	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	8.000	5.000
SC0091	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC0093	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
SC0099	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	8.000	5.000

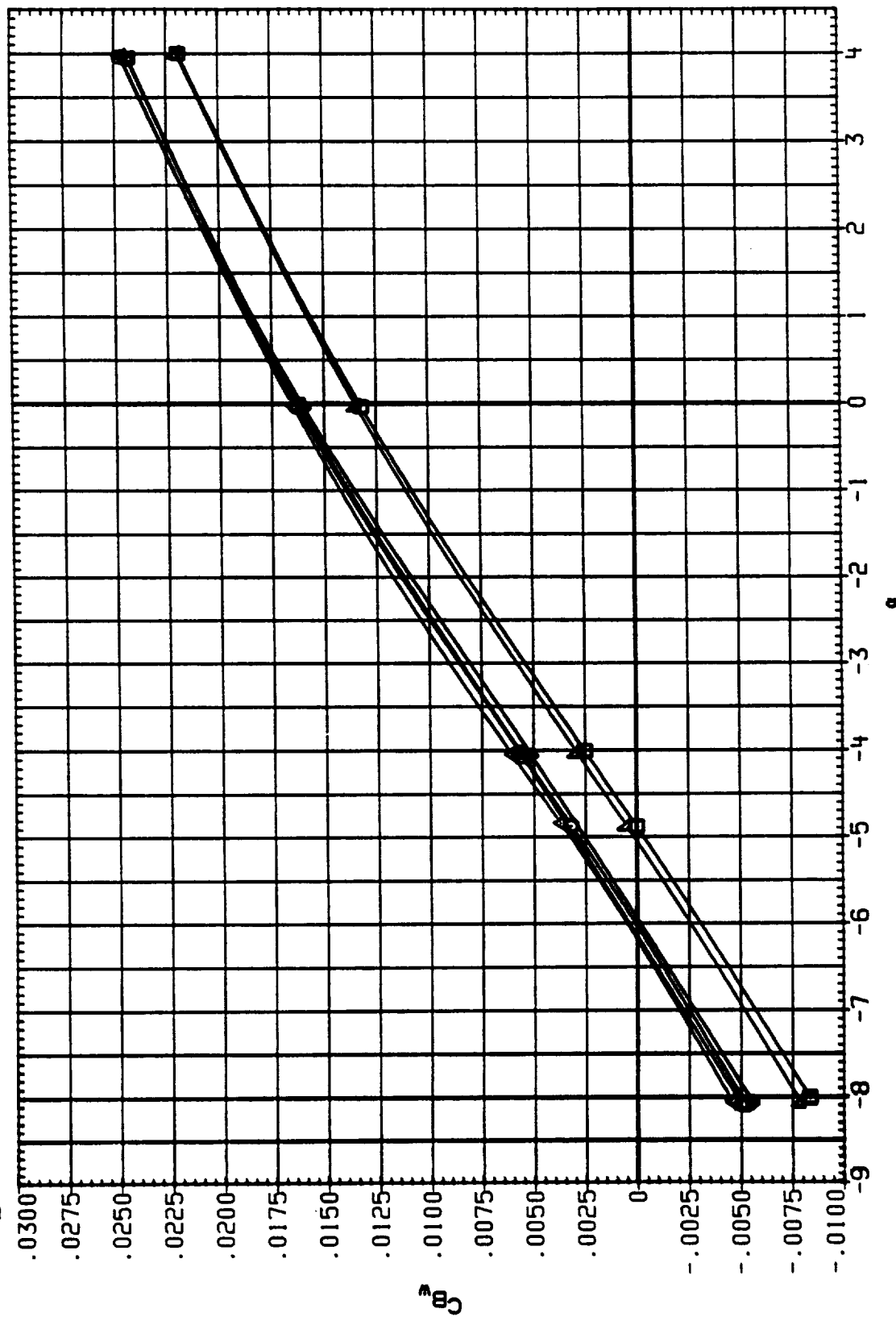


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

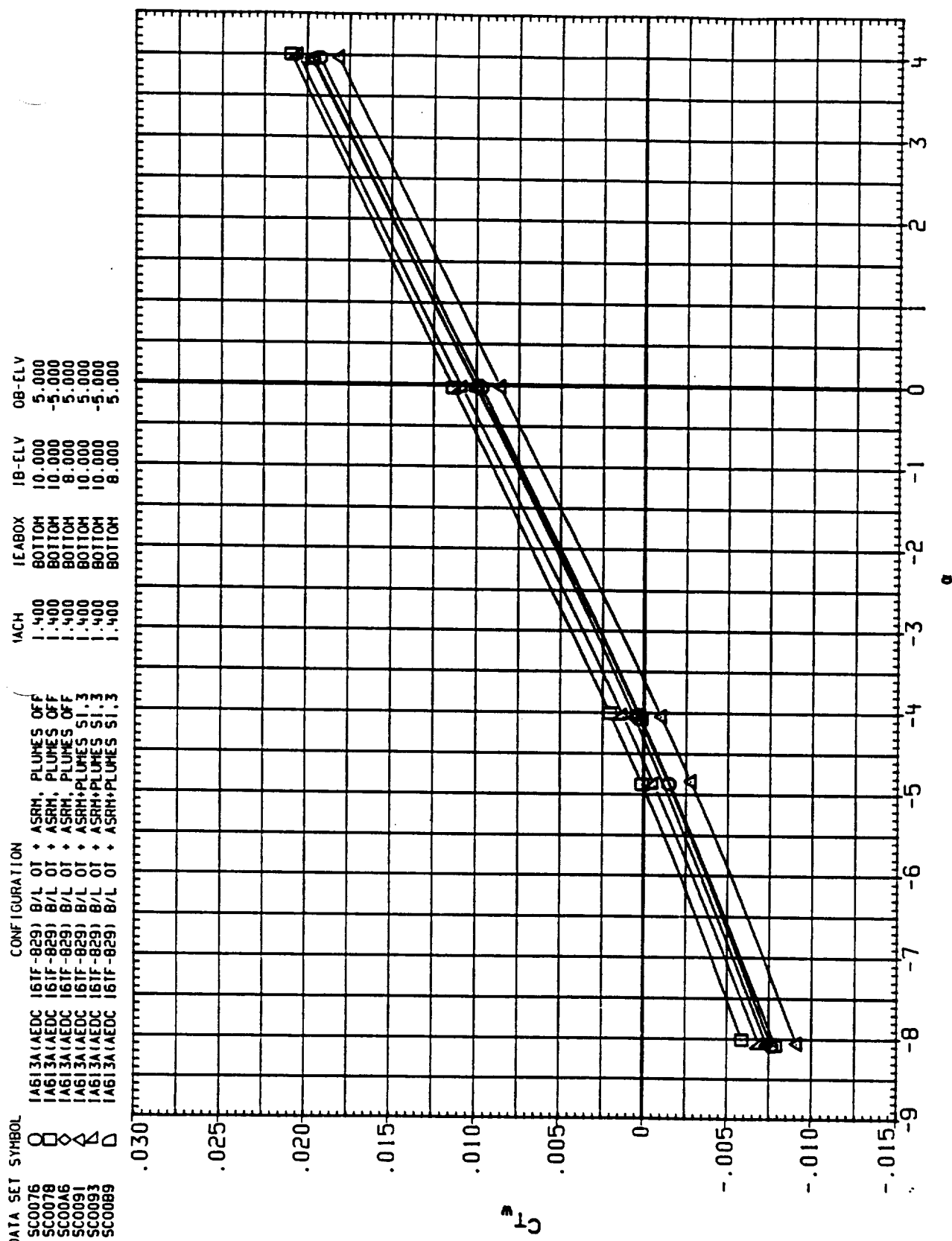


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A.) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0077	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	5.000
SC0079	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
SC00A7	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	8.000	5.000
SC0092	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0094	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
SC00C0	IAG13A1AEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	8.000	5.000

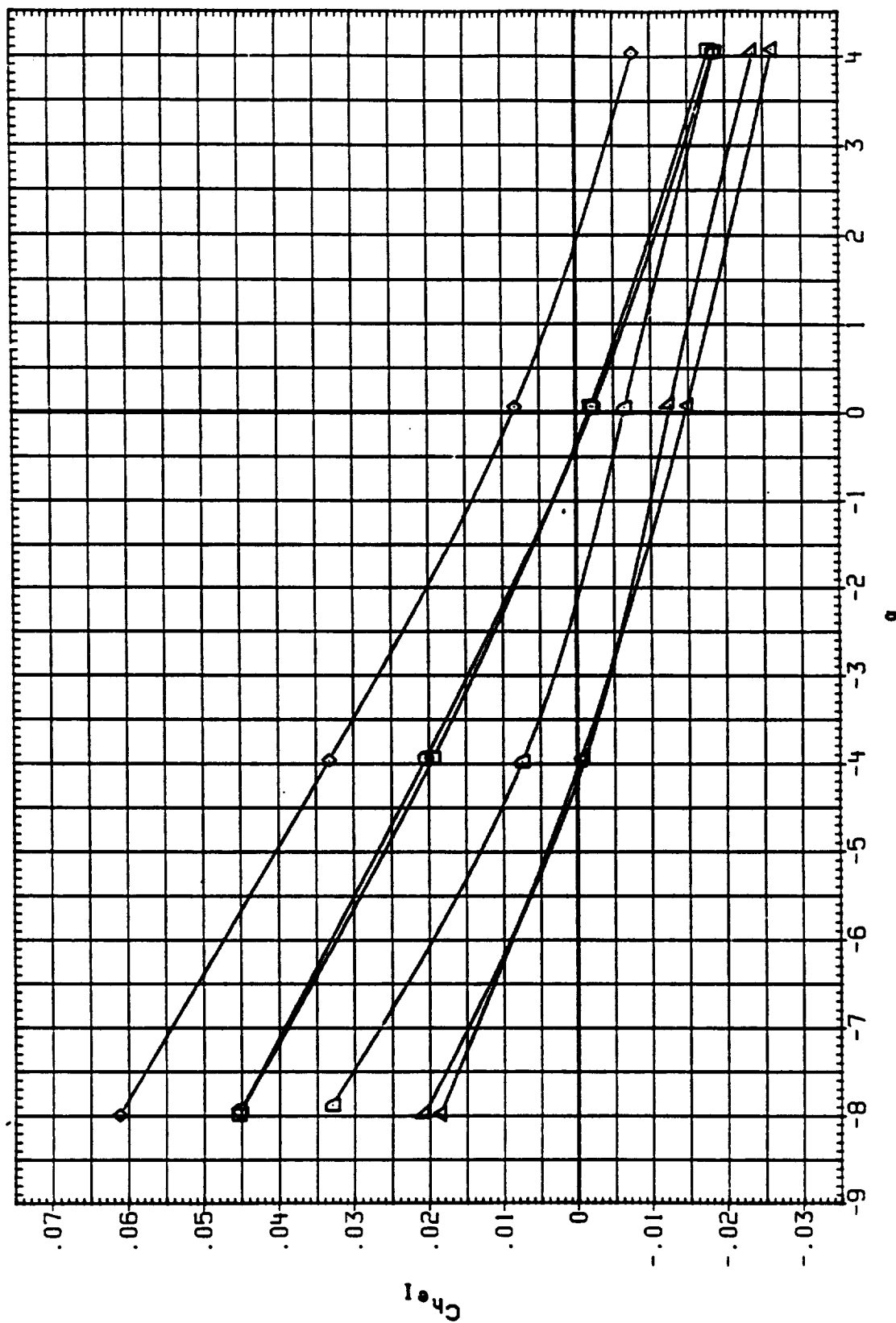


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

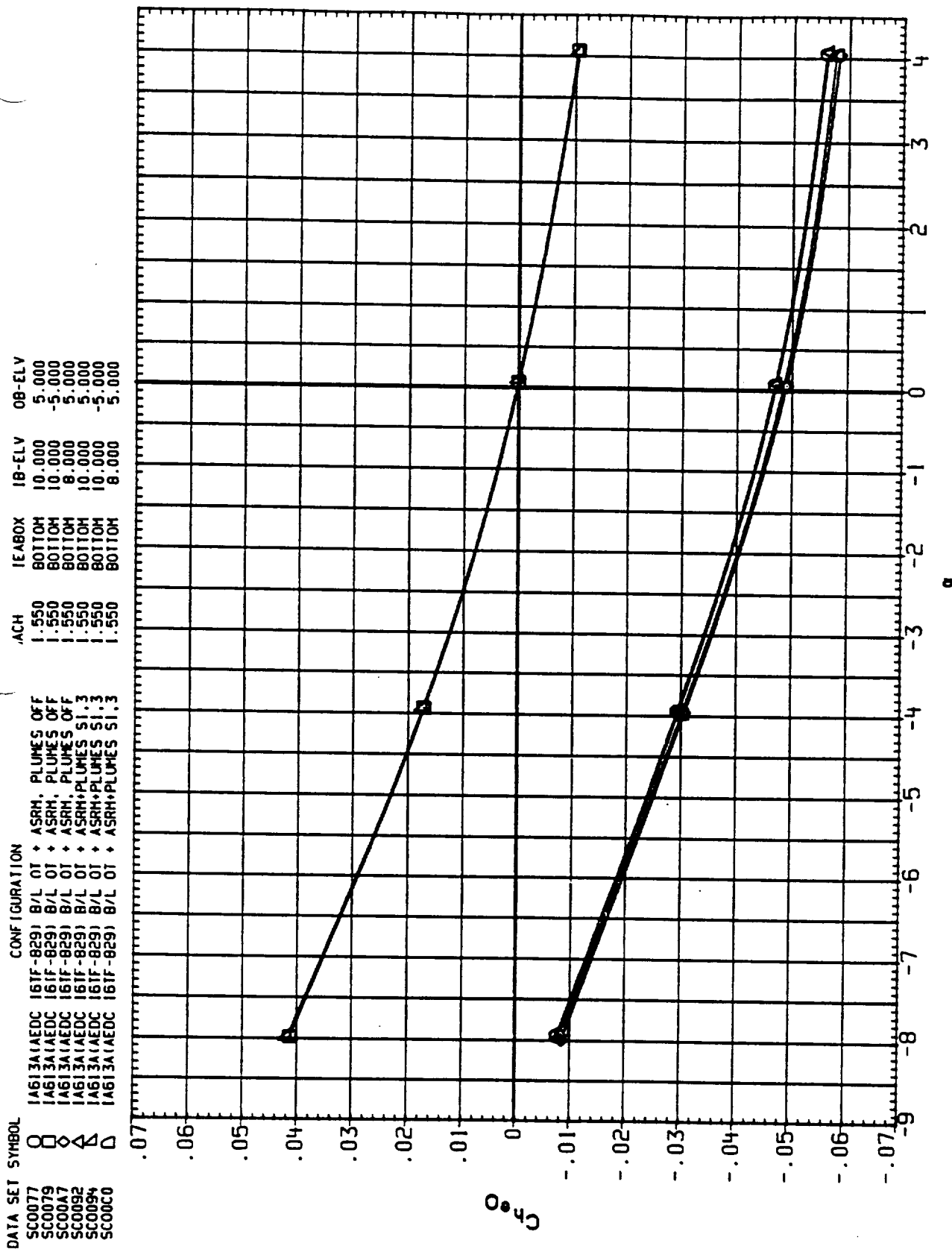


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0077	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUNES OFF	1.550	80110H	10.000	5.000
SC0079	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUNES OFF	1.550	80110H	10.000	-5.000
SC00A7	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUNES OFF	1.550	80110H	8.000	5.000
SC0092	▽	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUNES SI.3	1.550	80110H	10.000	5.000
SC0094	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUNES SI.3	1.550	80110H	10.000	-5.000
SC00C0	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUNES SI.3	1.550	80110H	8.000	5.000

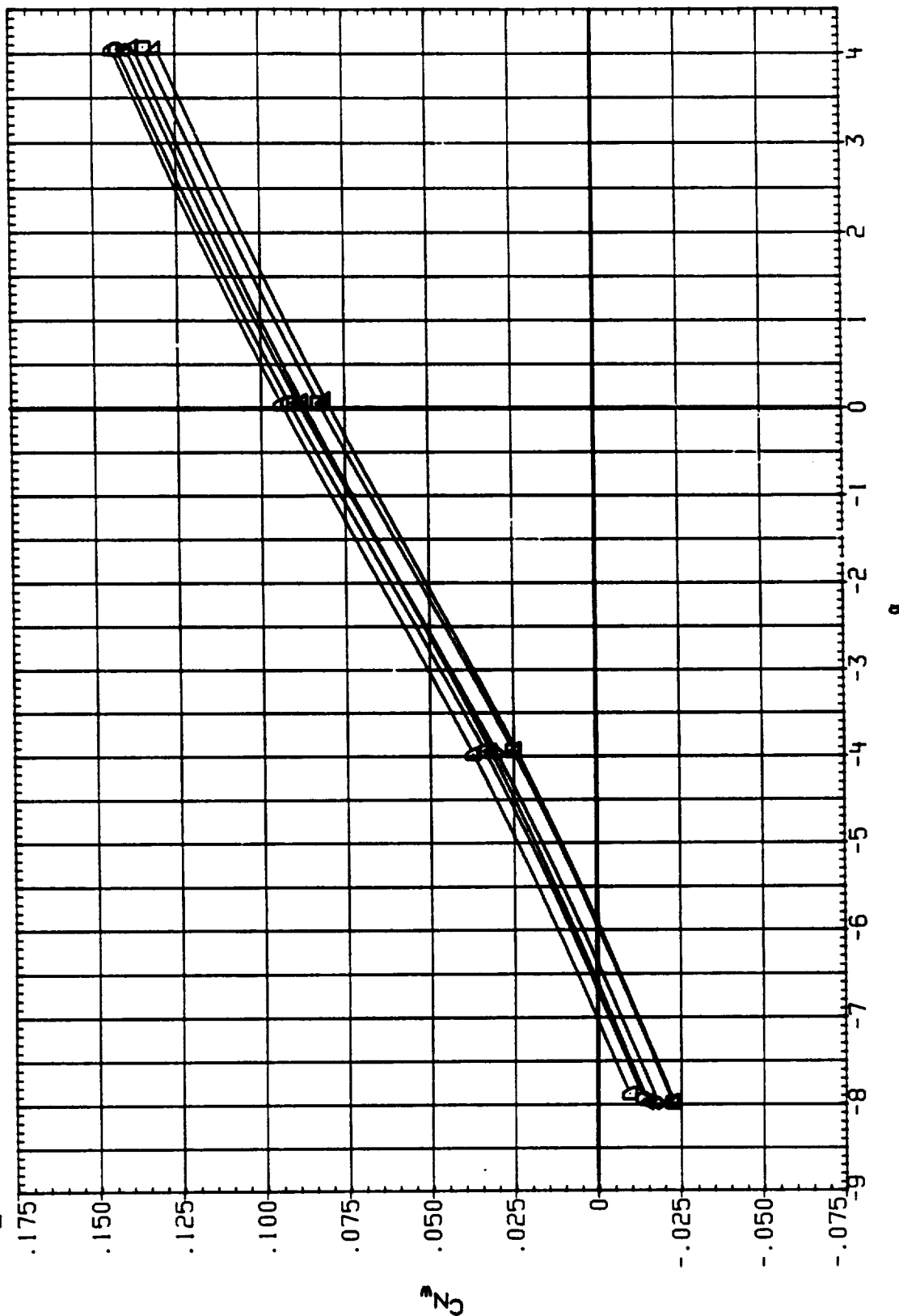


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

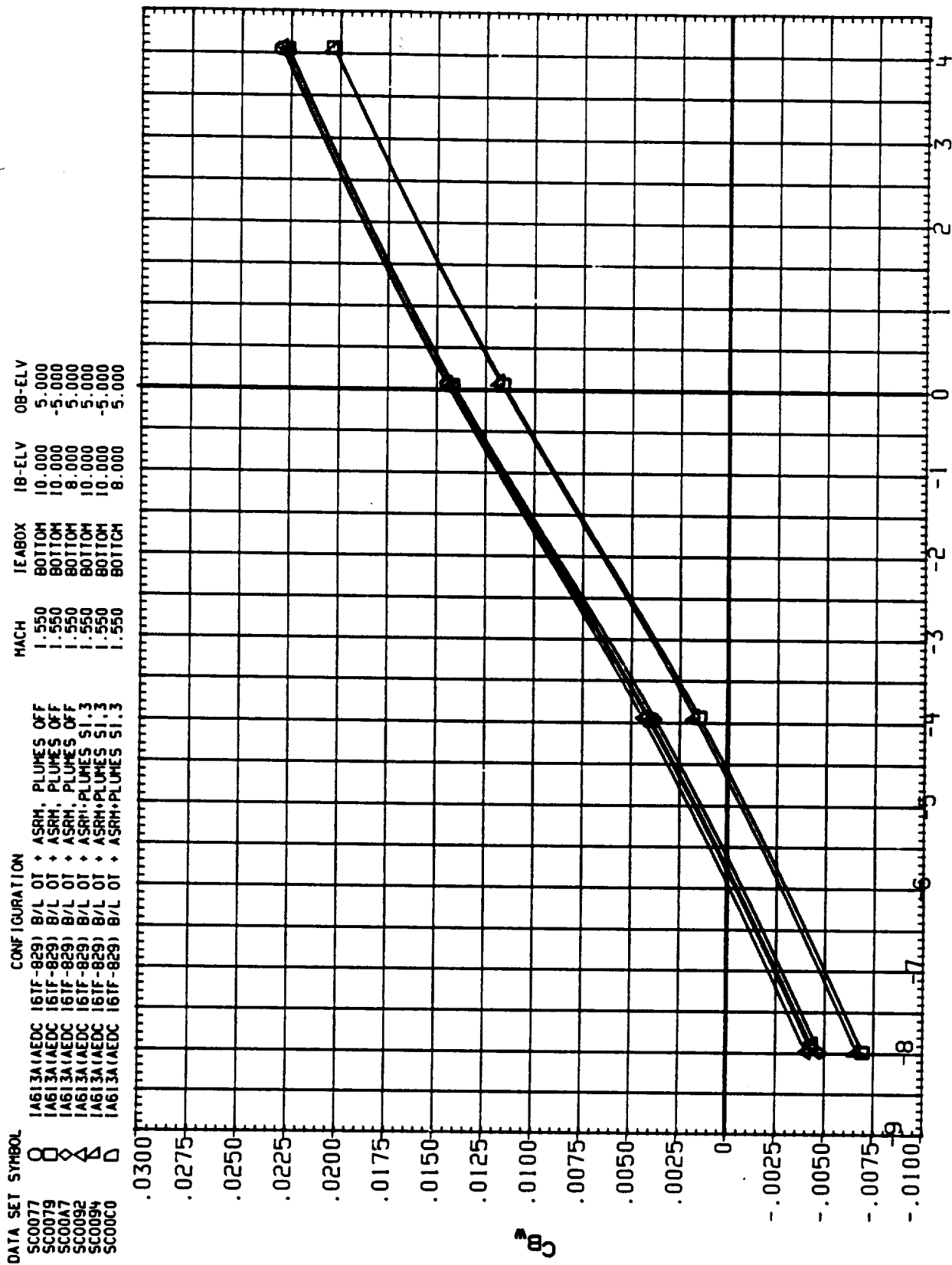


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0077	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	1.550	BOTTOM	10.000	5.000
SC0079	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	1.550	BOTTOM	10.000	-5.000
SC00A7	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES OFF	1.550	BOTTOM	8.000	5.000
SC0092	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES S1.3	1.550	BOTTOM	10.000	5.000
SC0094	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES S1.3	1.550	BOTTOM	10.000	-5.000
SC00C0	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUNES S1.3	1.550	BOTTOM	8.000	5.000

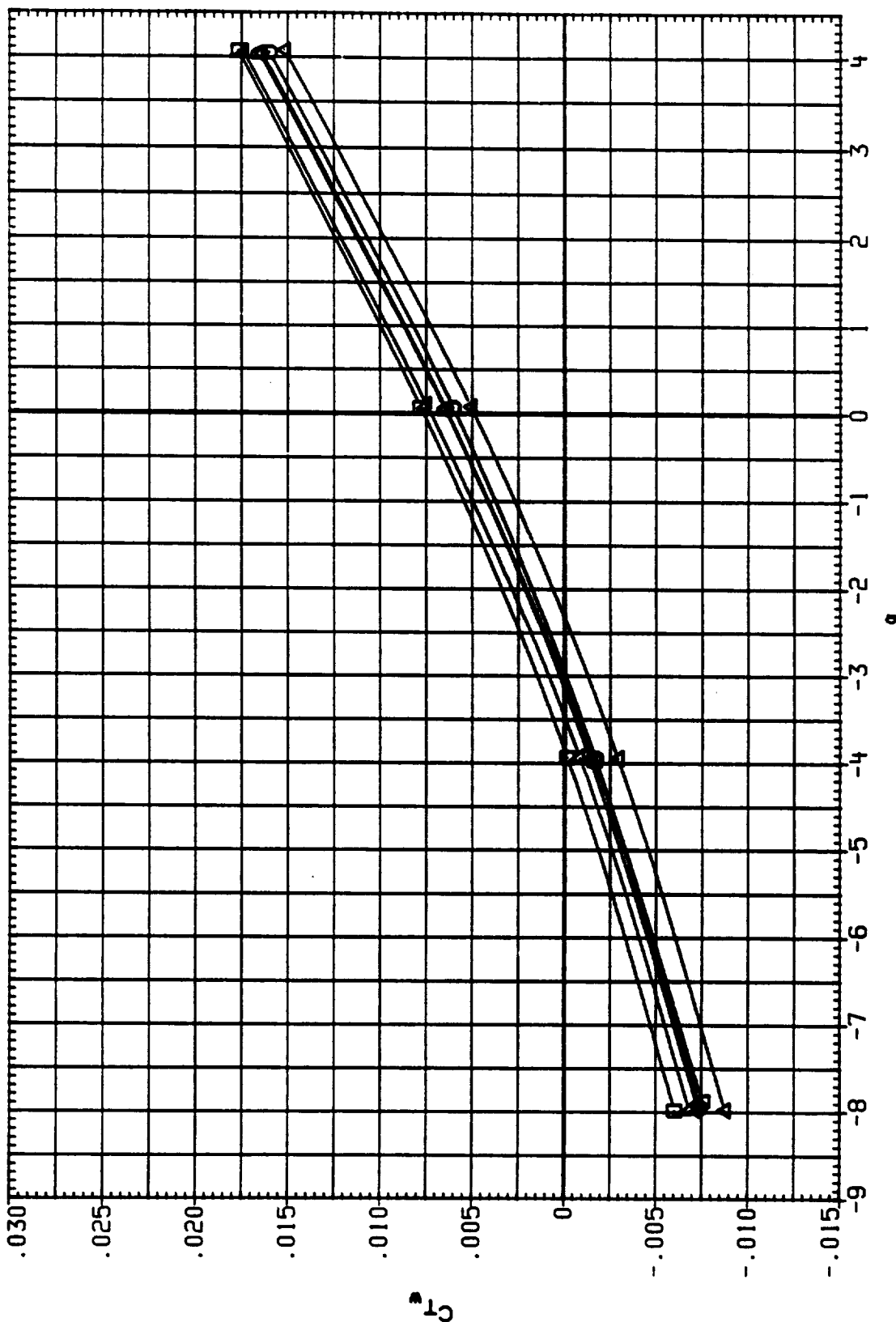


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	ACH	IEABOX	IB-ELV	OB-ELV
RC0063	□	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	◇	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	△	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC00A8	△	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	8.000	9.000

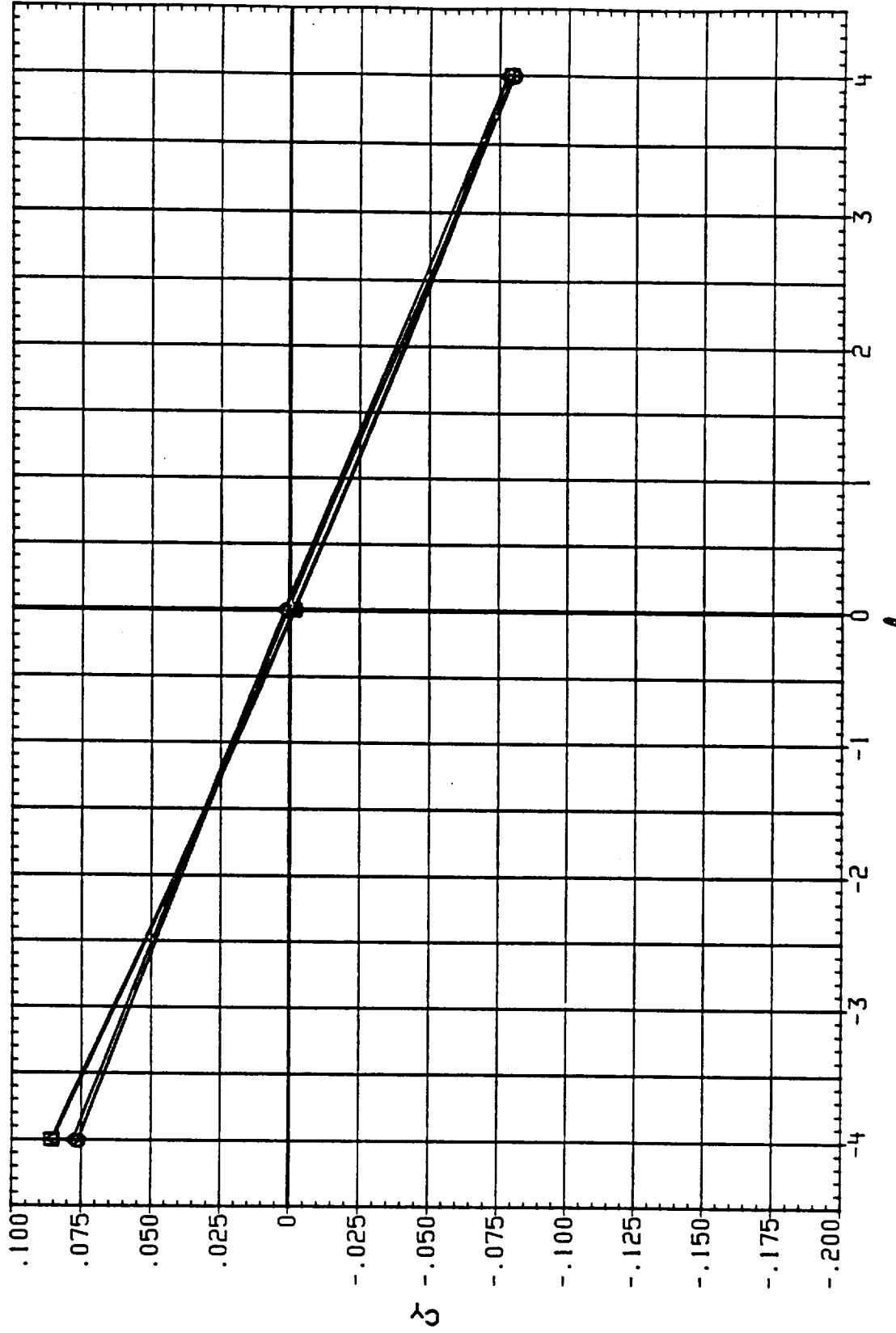


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0065	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.2	.600	BOTTOM	10.000	9.000
RC00A8	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.2	.600	BOTTOM	8.000	9.000

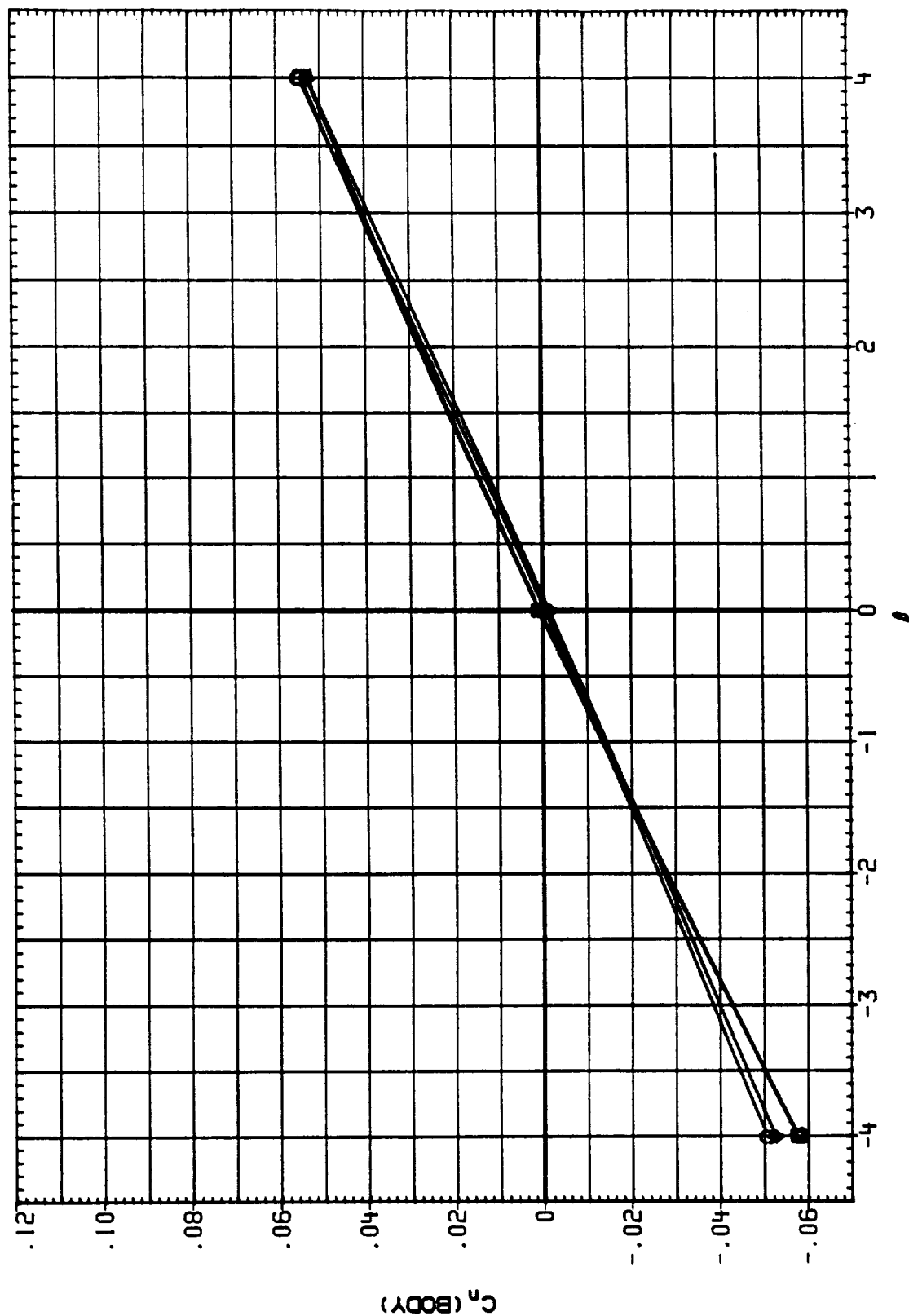


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0065
RC0095
RC0080
RC0048

□
◇
△

CONF IGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2

MACH

.600
.600
.600
.600

IEABOX

801TOM
801TOM
801TOM
801TOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

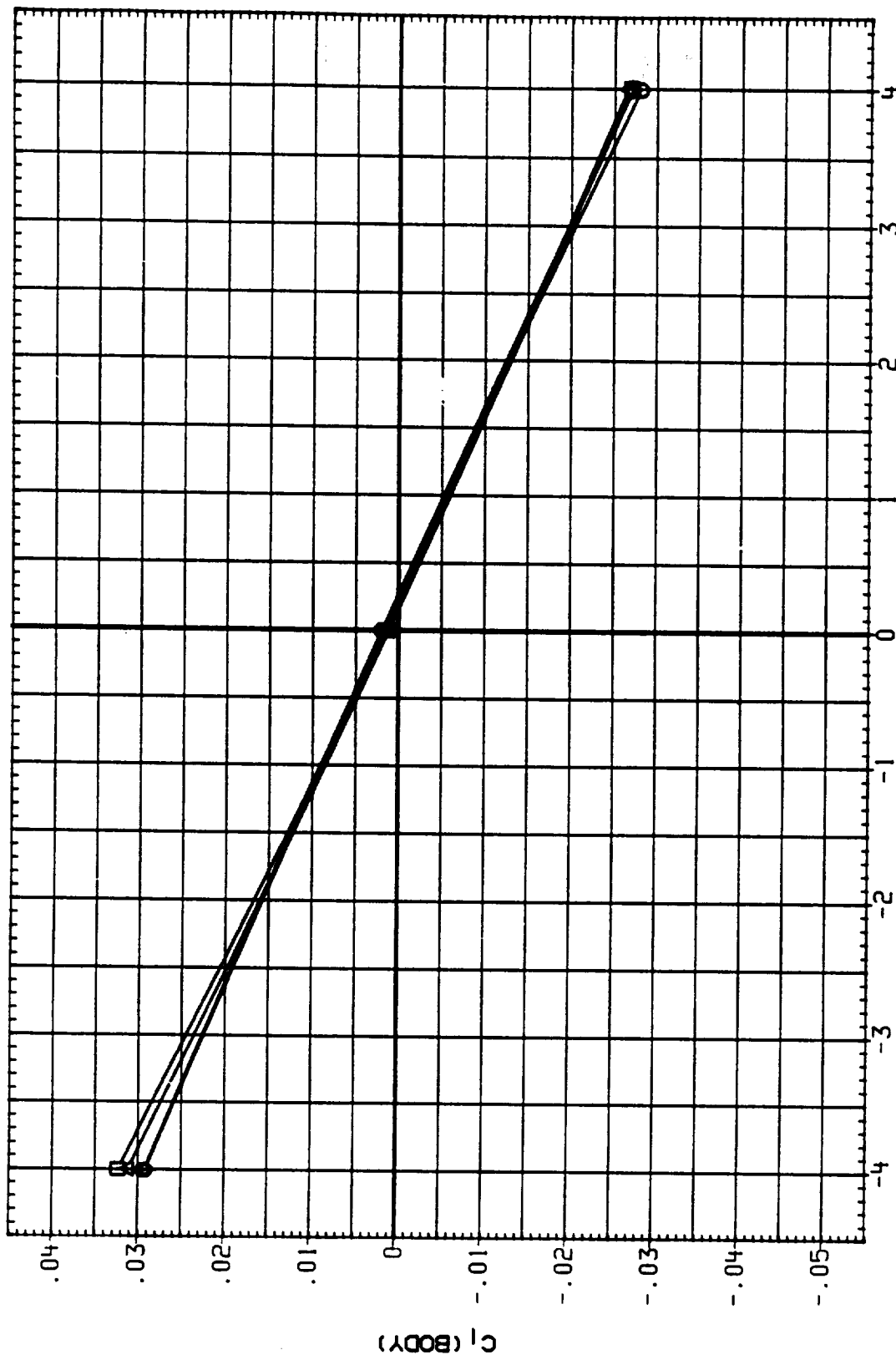


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	0B-ELV
RC0066	□	1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	◇	1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0081	◇	1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.800	BOTTOM	10.000	9.000
RC00A9	△	1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.800	BOTTOM	10.000	9.000

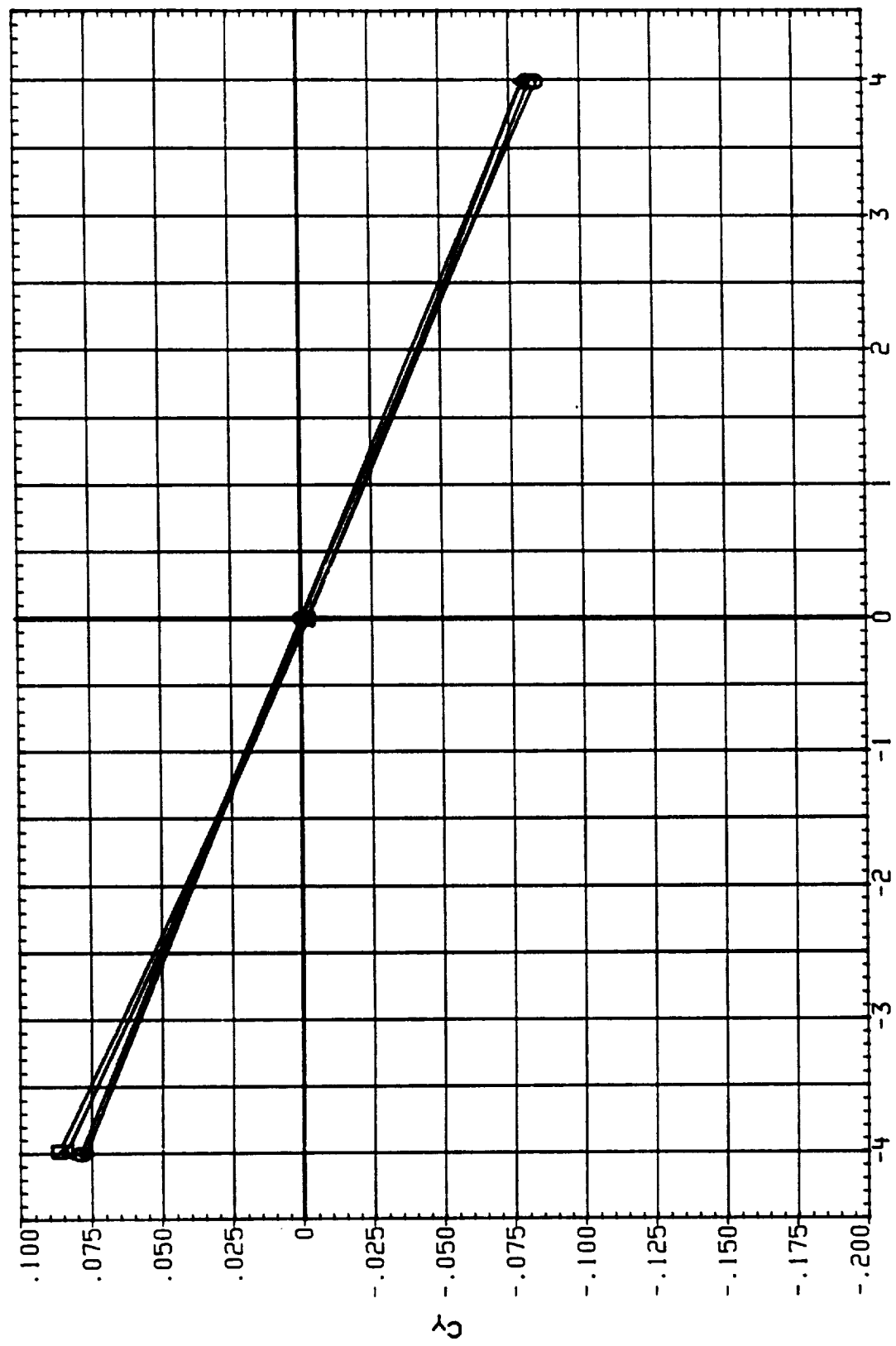


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	OB-ELV
RC0066	1A613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	1A613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.800	BOTTOM	10.000	9.000
RC00A9	1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.800	BOTTOM	8.000	9.000

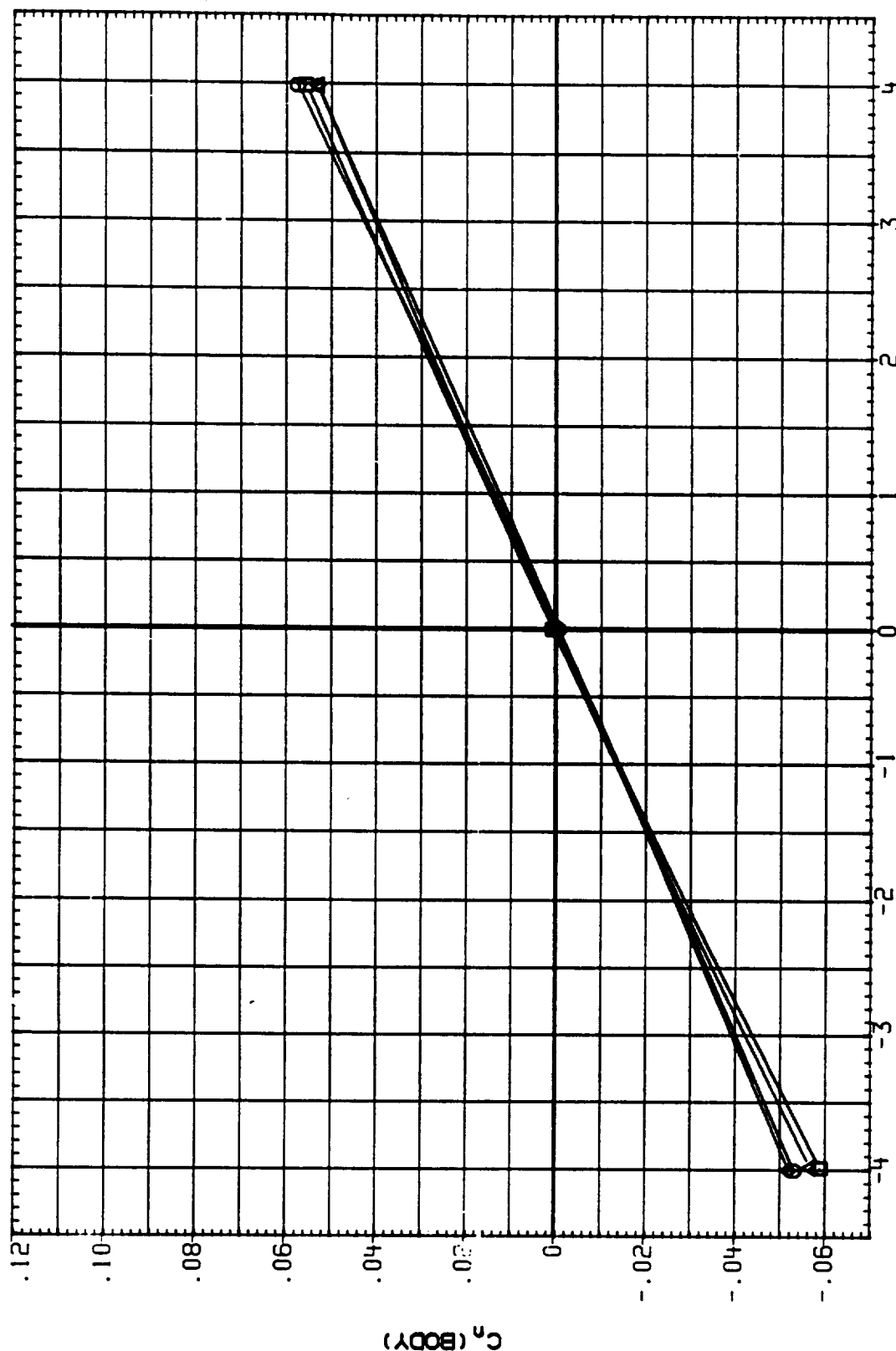


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0066	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	10.000	9.000
RC00A9	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2	.800	BOTTOM	8.000	9.000

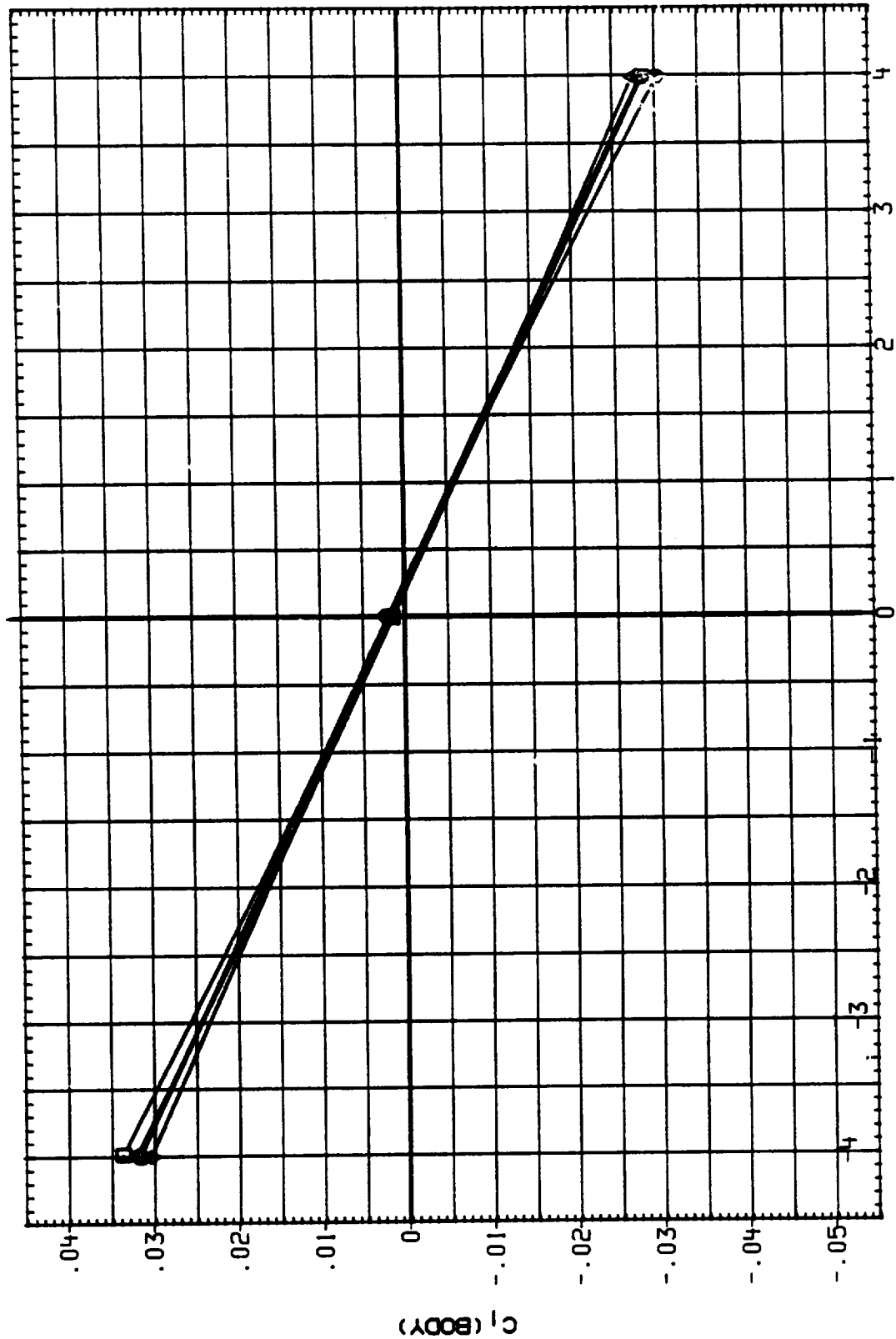


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	900	801104	10.000	9.000
RC0067	IA613A(AEDC 161F-829) B/L OI + ASRM, PLUMES	.900	801104	10.000	9.000
RC0097	IA613A(AEDC 161F-829) B/L OI + ASRM, PLUMES	.900	801104	10.000	9.000
RC0082	IA613A(AEDC 161F-829) B/L OI + ASRM+PLUMES S1.2	.900	801104	10.000	9.000
RC0080	IA613A(AEDC 161F-829) B/L OI + ASRM+PLUMES S1.2	.900	801104	10.000	9.000

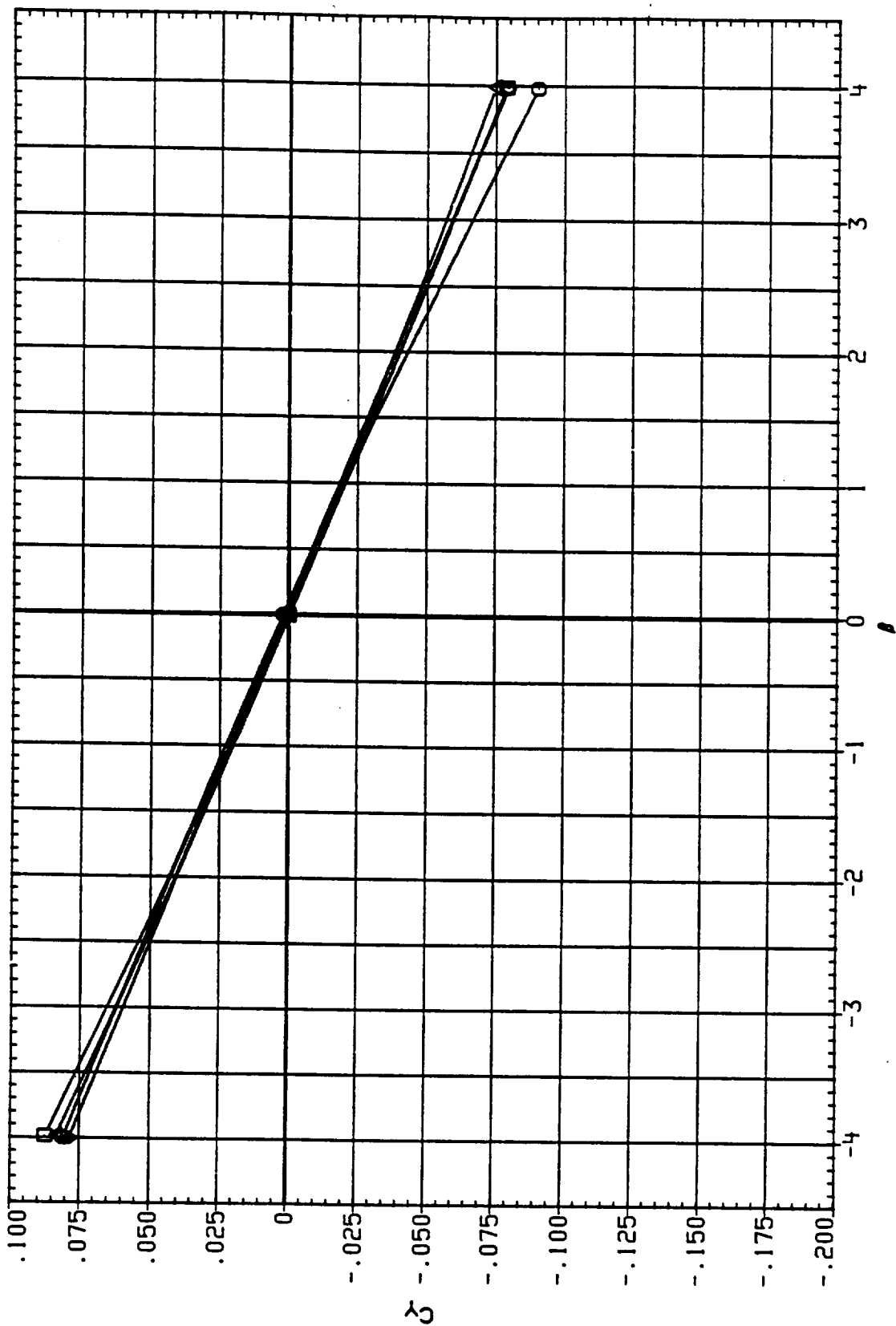


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEADBOX	IS-ELV	CS-ELV
RC0067	□	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	.900	BOTTOM	10.000	9.000
RC0097	○	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES OFF	.900	BOTTOM	8.000	9.000
RC0082	◇	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	.900	BOTTOM	10.000	9.000
RC0080	△	IA613A1AEDC 161F-829) B/L OT + ASRM. PLUMES 51.2	.900	BOTTOM	8.000	9.000

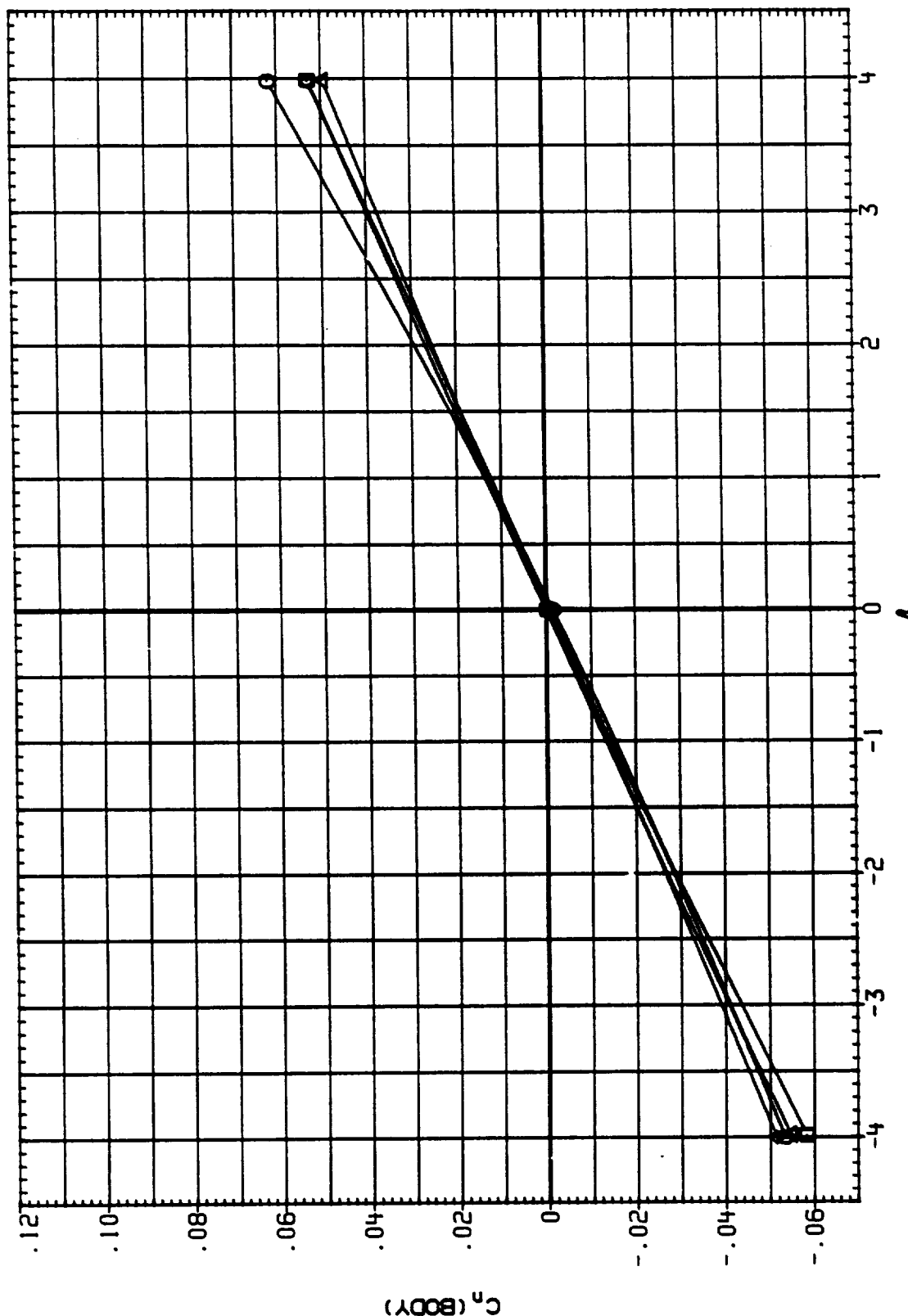


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0067	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	10.000	9.000
RC0097	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	8.000	5.000
RC0082	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.900	BOTTOM	10.000	9.000
RC0080	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.900	BOTTOM	8.000	9.000

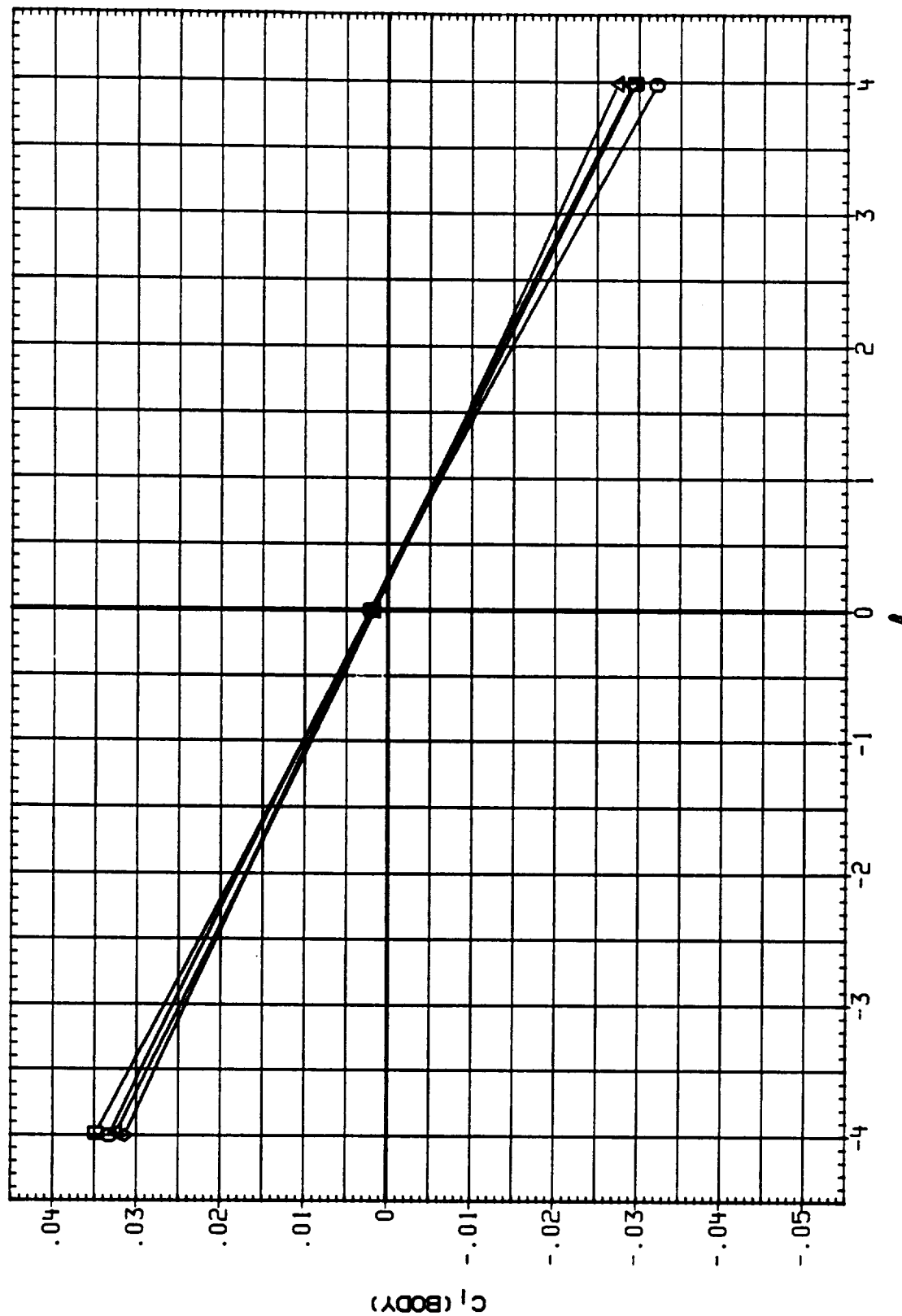


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0068	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0083	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES 51.2	.950	BOTTOM	10.000	9.000
RC0081	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES 51.2	.950	BOTTOM	8.000	9.000

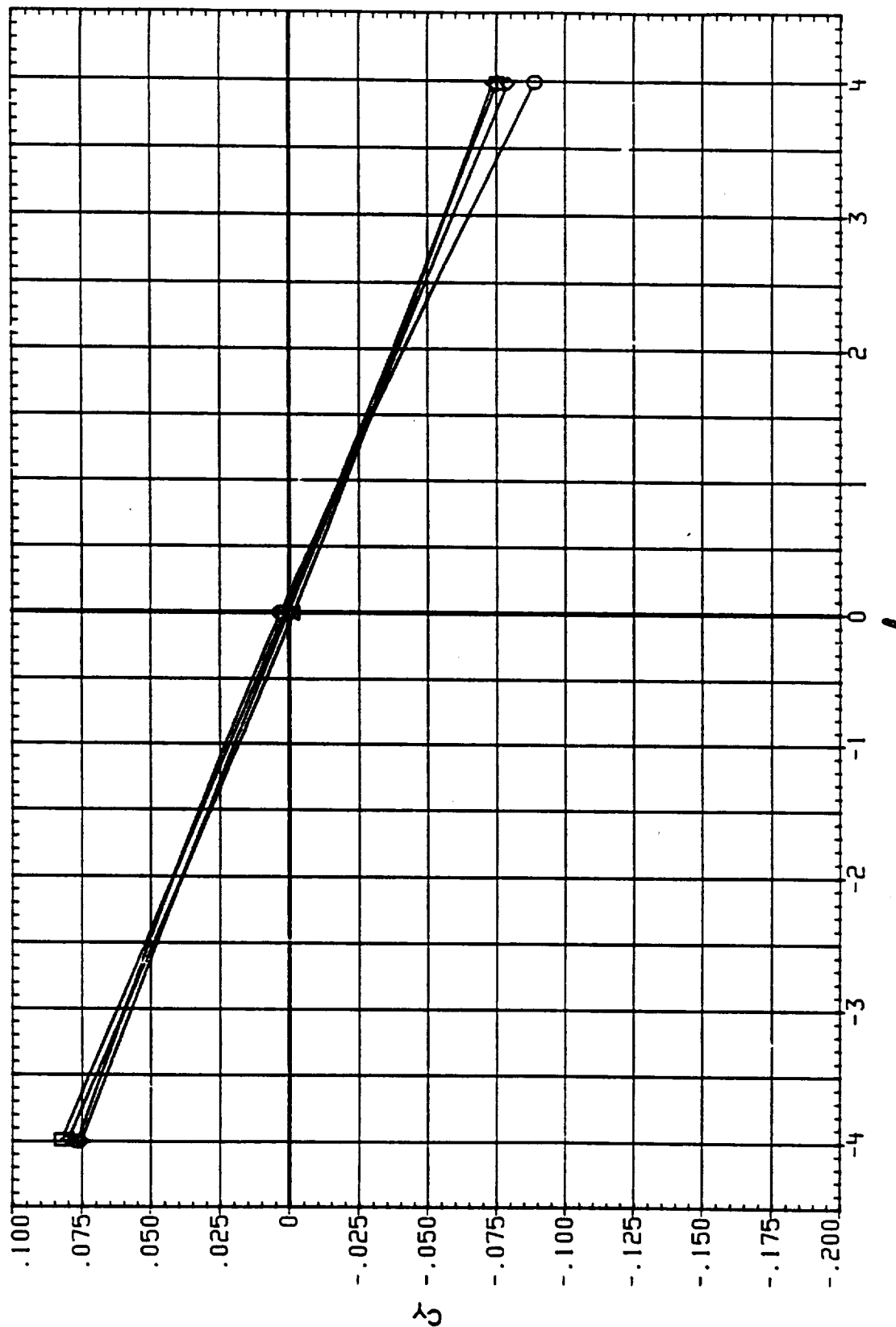


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0068	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	3010M	8.000	9.000
RC0053	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000
RC0081	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	8.000	9.000

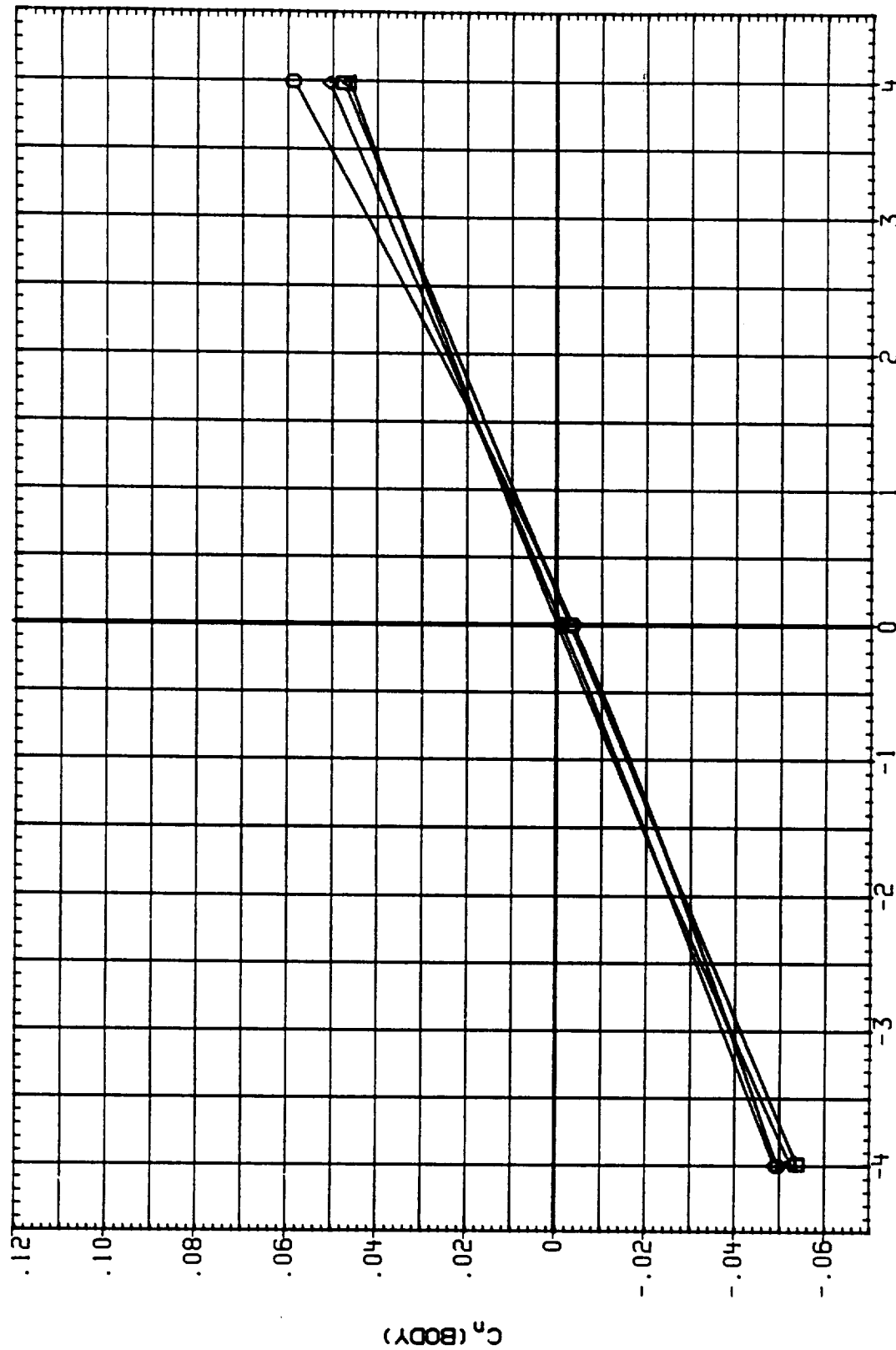


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONF IGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0069	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
RC0083	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.950	BOTTOM	10.000	9.000
RC0081	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.950	BOTTOM	8.000	9.000

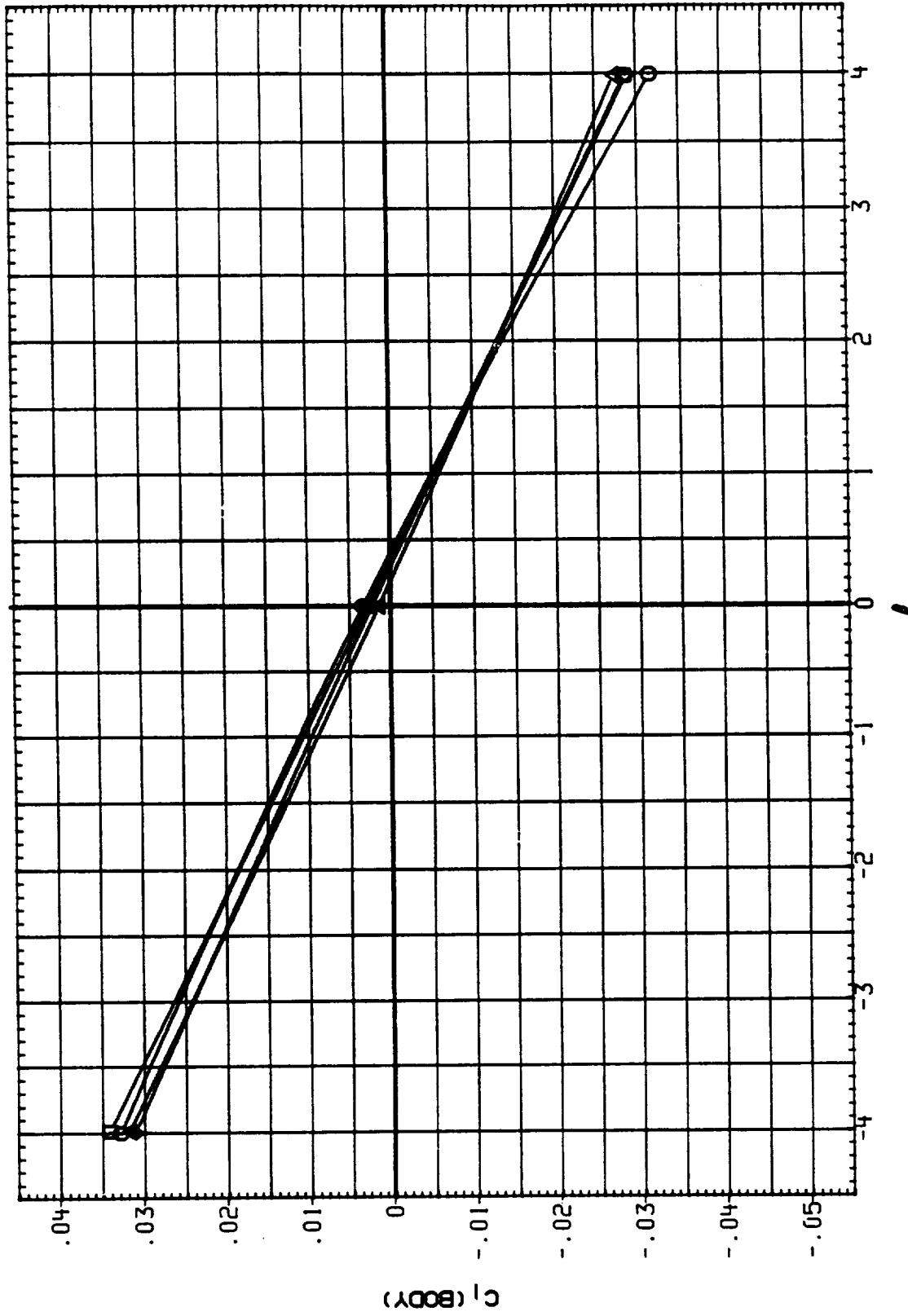


FIG. 8 EFFECT OF ELEVEN SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
RC0069	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
RC0099	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
RC0084	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.2	1.050	BOTTOM	10.000	9.000
RC0082	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.2	1.050	BOTTOM	8.000	9.000

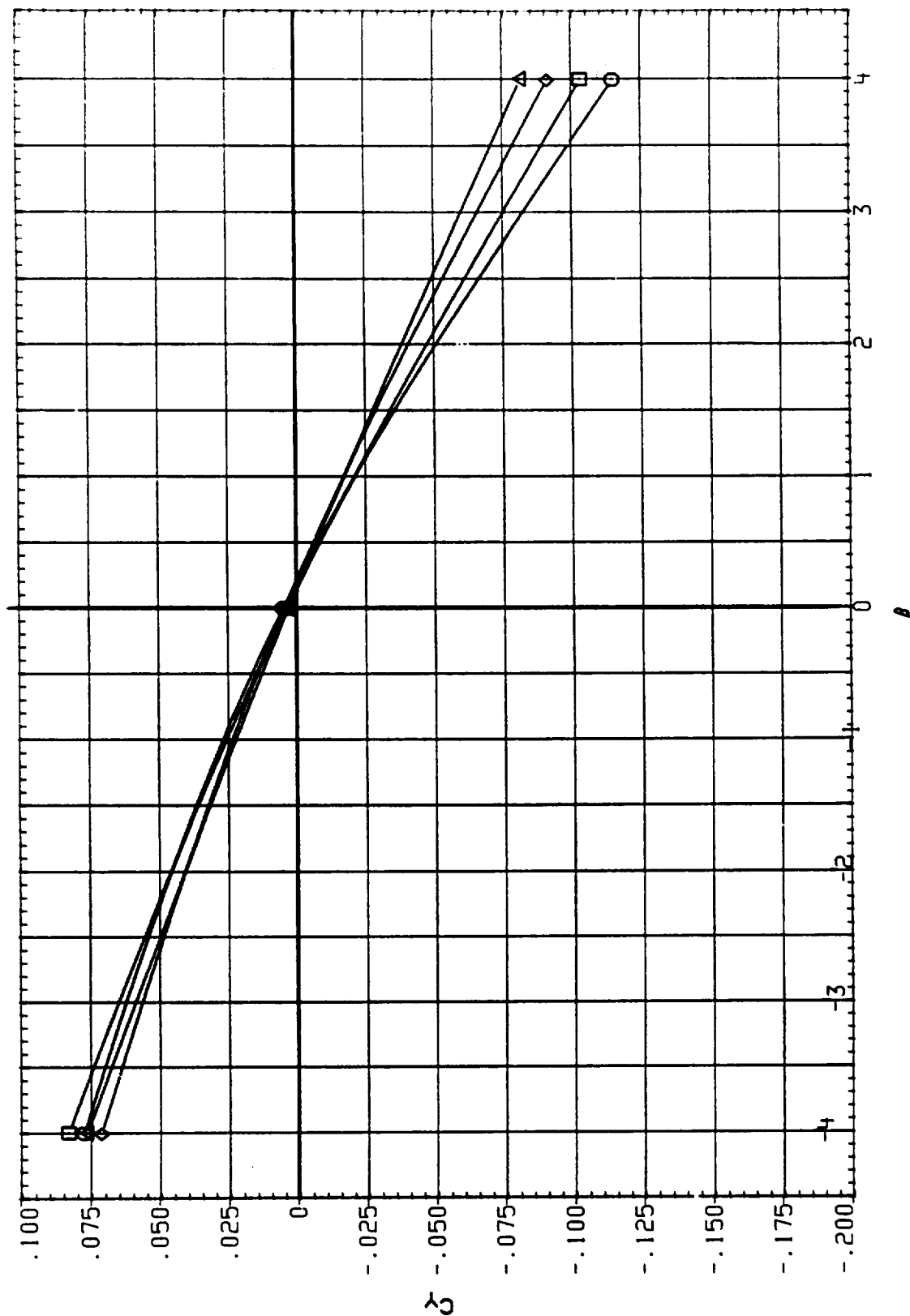


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL
 RC0069
 RC0099
 RC0084
 RC0082

CONFIGURATION

1A613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
 1A613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES 51.2
 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES 51.2

MACH
 1.050
 1.050
 1.050
 1.050

1EABOX
 BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM

1B-ELV
 10.000
 8.000
 10.000
 4.000

0B-ELV
 9.000
 9.000
 9.000
 9.000

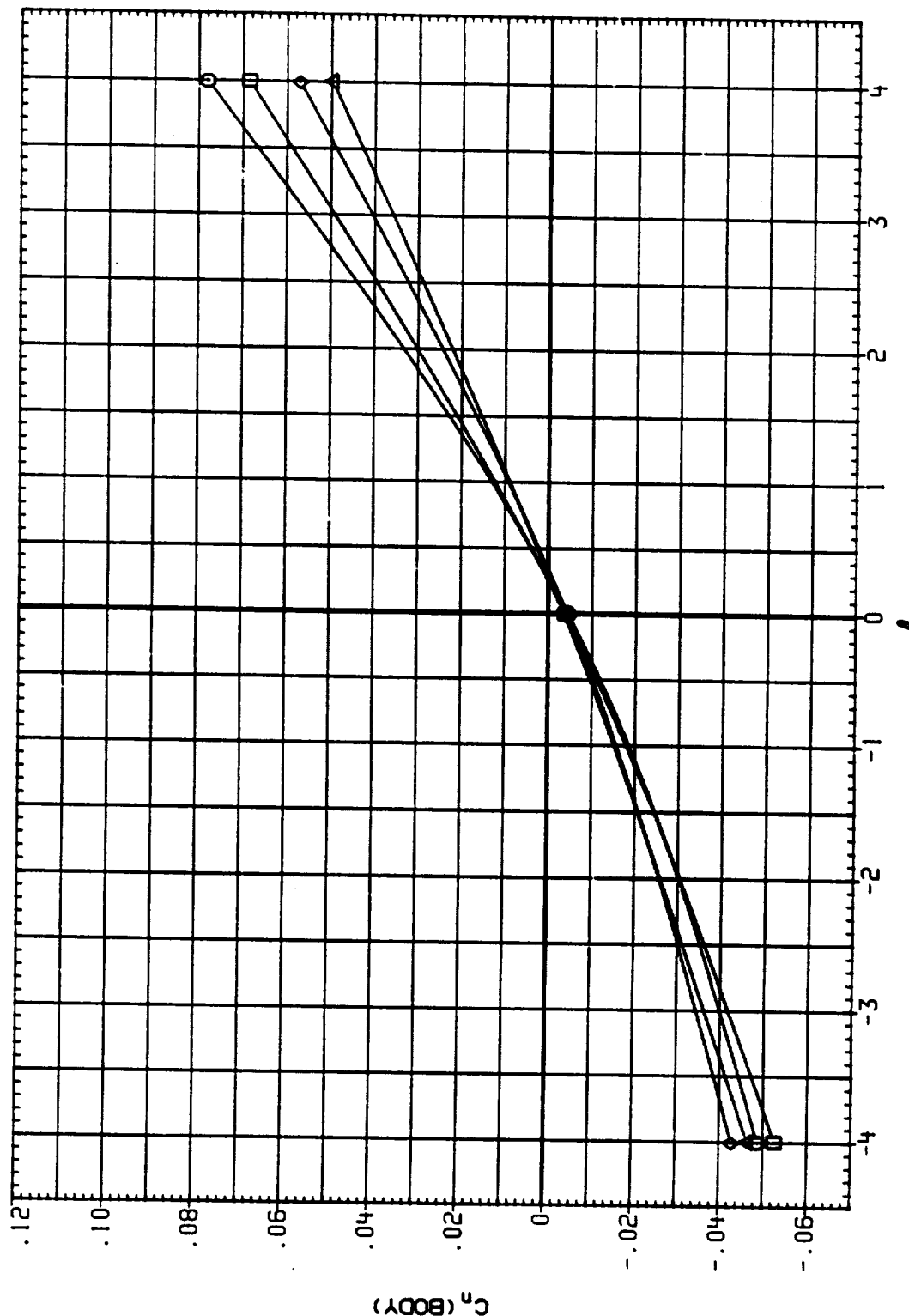


FIG. 8 EFFECT OF ELEVON SCHEDULES
 LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0069
RC0099
RC0084
RC0082

CONFIGURATION

IA613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF
IA613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF
IA613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES SI.2
IA613A(AEDC 16TF-829) B/L 01 + ASRH, PLUMES SI.2

MACH

1.050
1.050
1.050
1.050

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

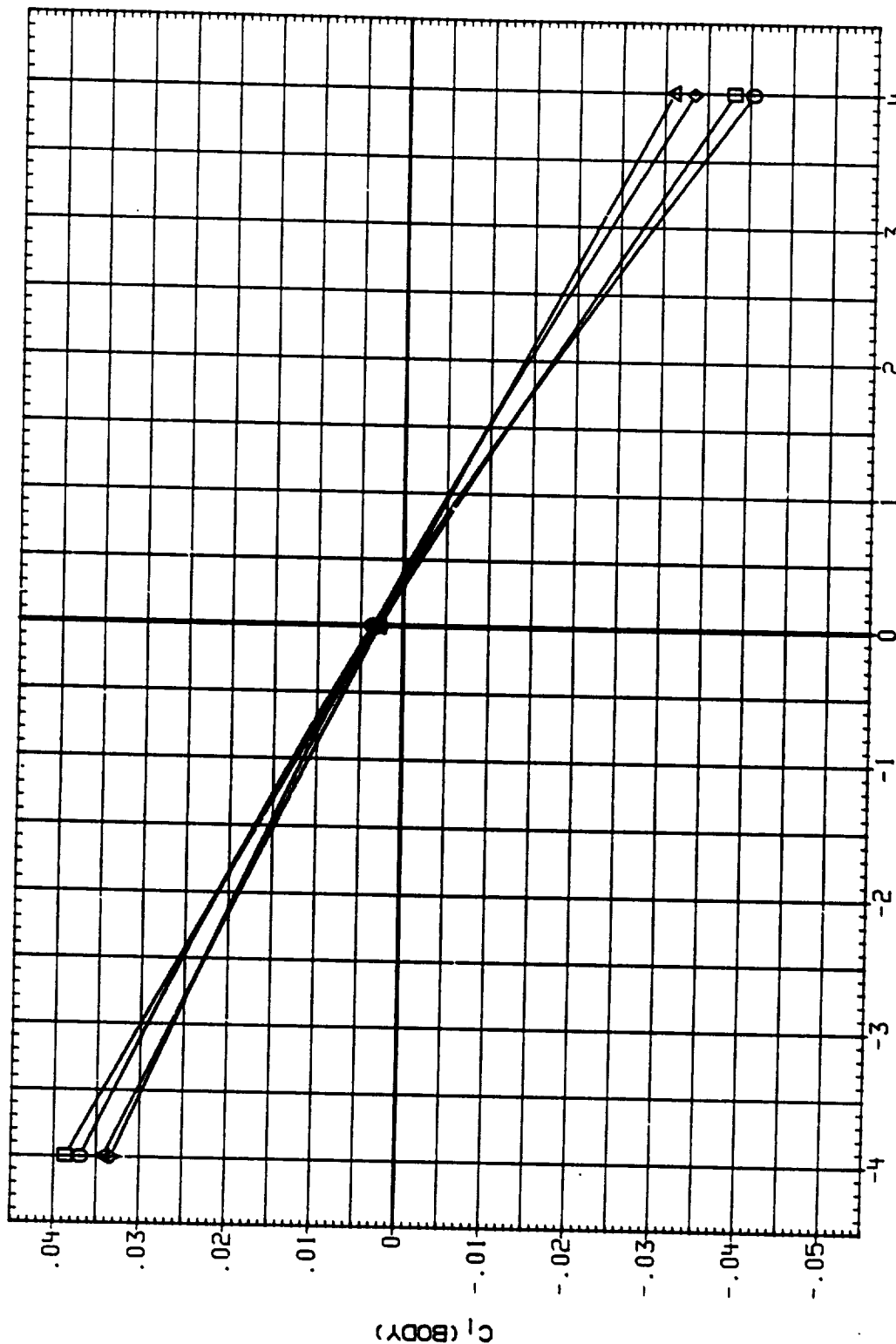


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL

RC0070
RC0040
RC0085
RC0083

CONFIGURATION

1A613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
1A613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
1A613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES S1.2
1A613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES S1.2

MACH

1.100
1.100
1.100
1.100

1EABOX

9.000
9.000
9.000
9.000

1B-ELV

9.000
9.000
9.000
9.000

1B-ELV

9.000
9.000
9.000
9.000

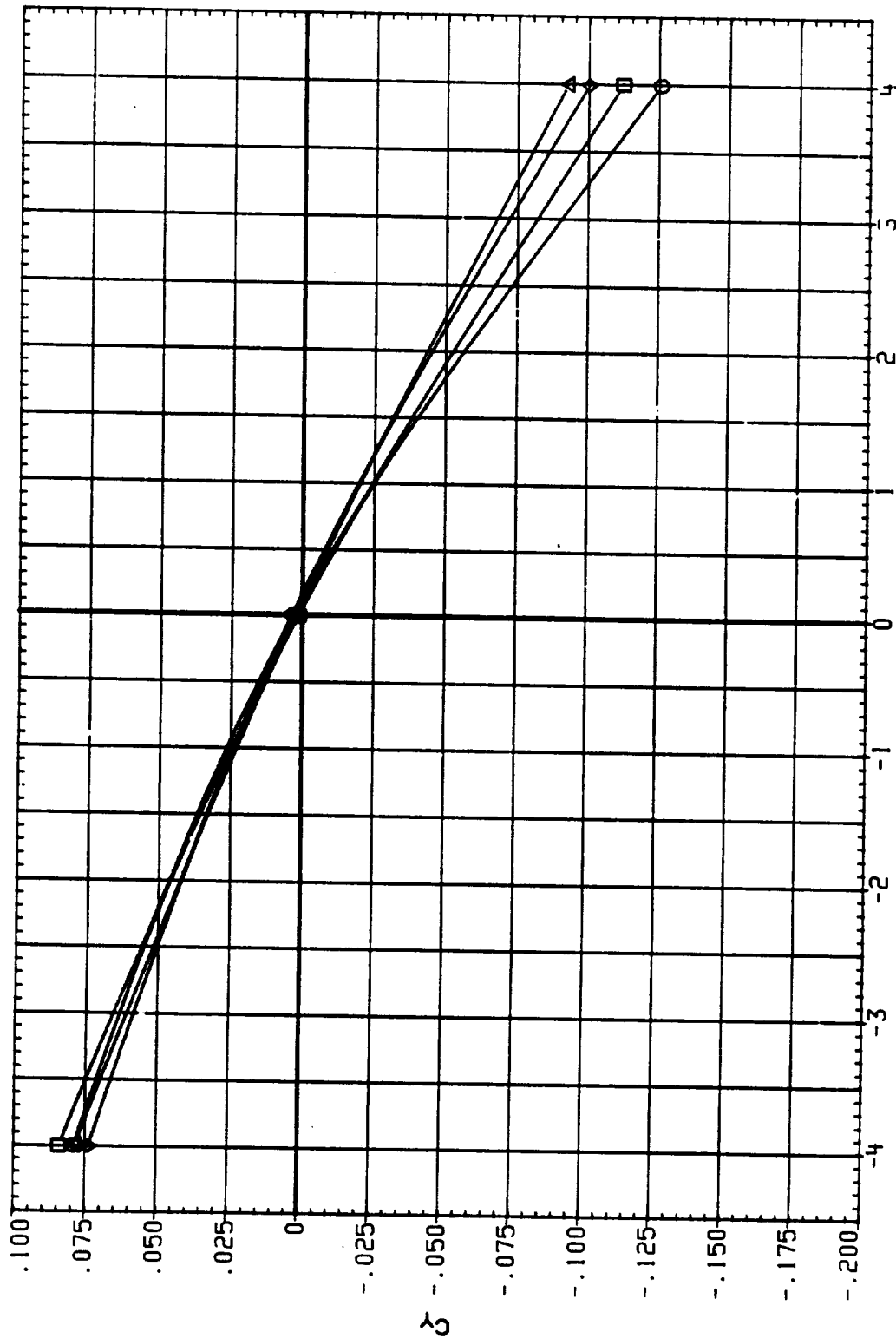


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0070
RC0040
RC0035
RC0033

CONFIGURATION

IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 3 OFF
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES 51.2

MACH

1.100
1.100
1.100
1.100

LEA BOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

19-ELV

10.000
8.000
10.000
8.000

CB-ELV

9.000
9.000
9.000
9.000

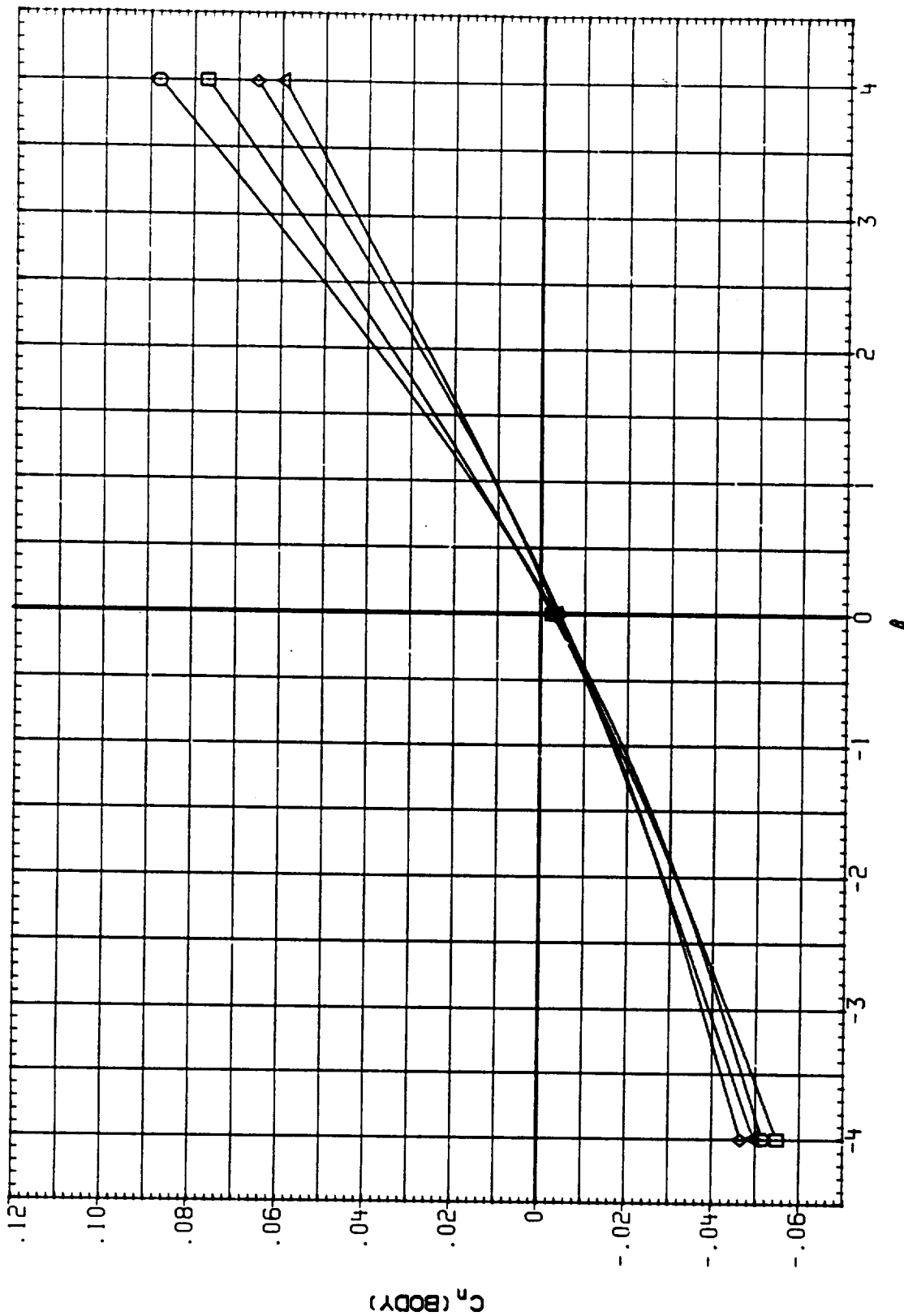


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

RECEIVED 1964-11-13
COMMERCIAL QUALITY

DATA SET 50750

PC0070
PC00A0
PC00B5
PC00B3

CONFIGURATION

14513A/AEDC 161F-829J B/L 01 • ASRM, PLUMES OFF
14513A/AEDC 161F-829J B/L 01 • ASRM, PLUMES OFF
14613A/AEDC 161F-829J B/L 01 • ASRM, PLUMES 51.2
14613A/AEDC 161F-829J B/L 01 • ASRM, PLUMES 51.2

MACH
1.100
1.100
1.100
1.100

1EABCA
BOTTOM
BOTTOM
BOTTOM
BOTTOM

15-ELV
10.000
8.000
10.000
8.000

19-ELV
9.000
9.000
9.000
9.000

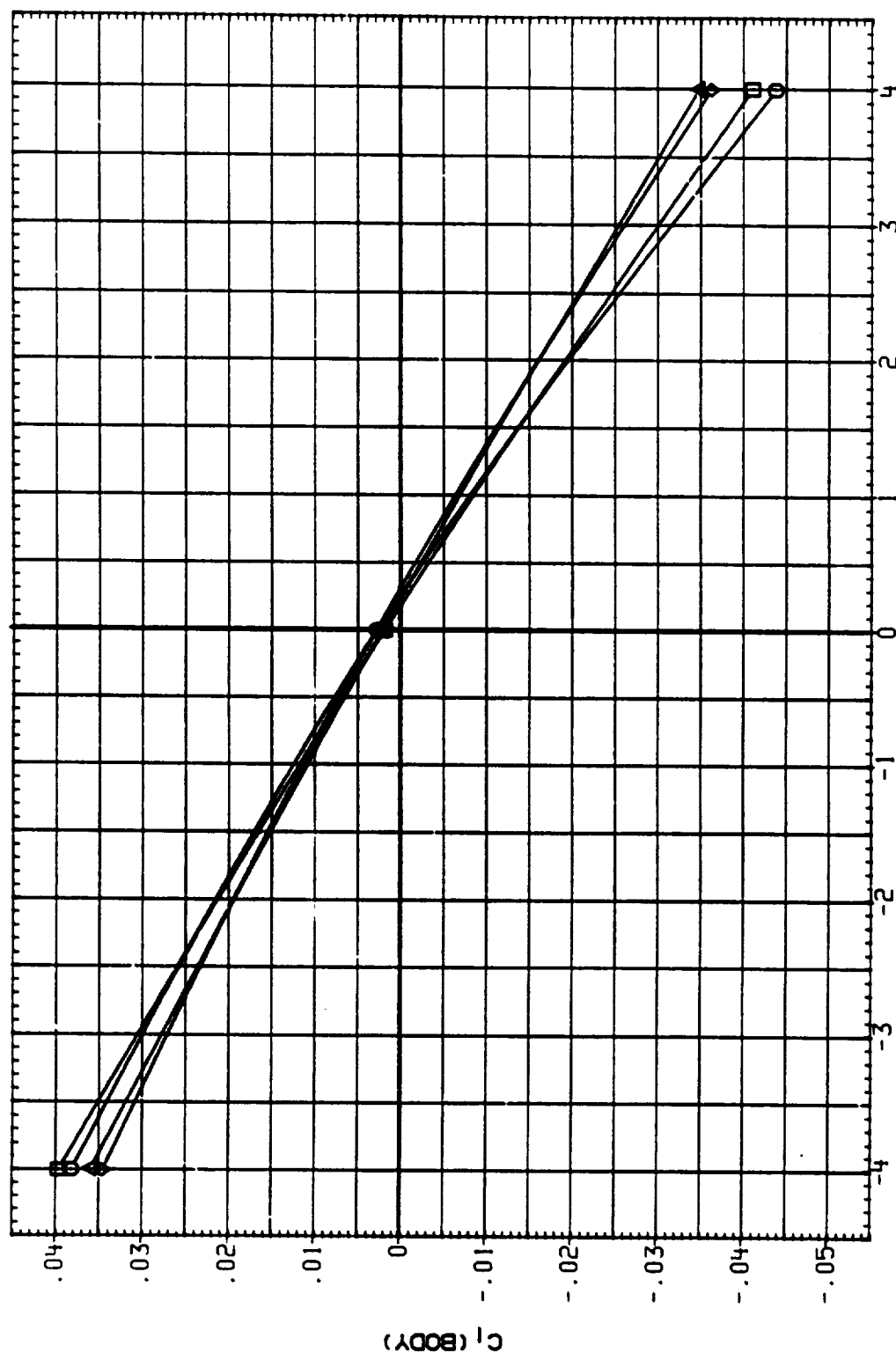


FIG. 8 EFFECT OF ELEVEN SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

CONFIGURATION

IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES 51.2
IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES 51.2

MACH

1.150
1.150
1.150
1.150

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

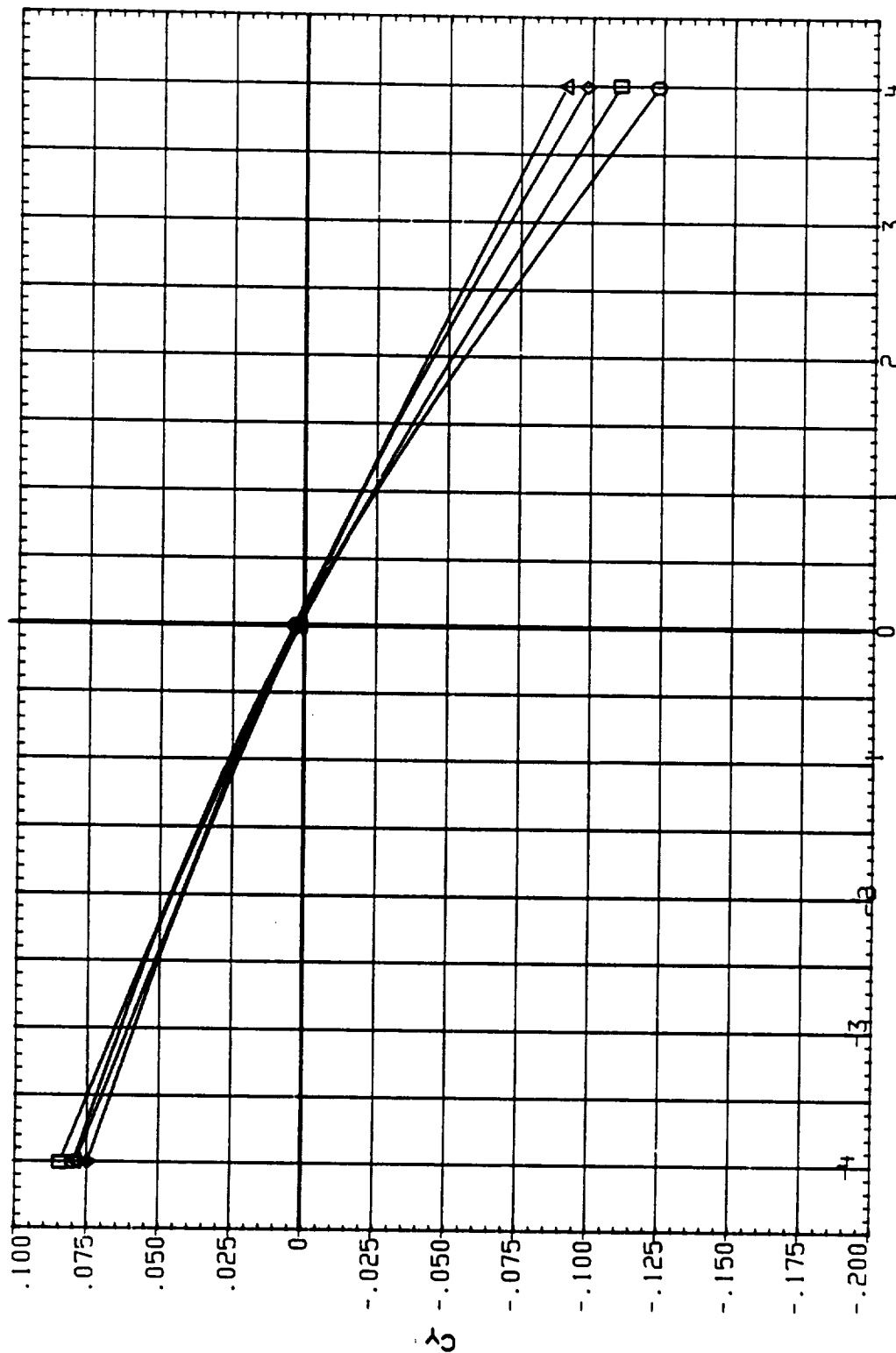


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

CONFIGURATION

1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2
1A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2

MACH

1.150
1.150
1.150
1.150

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
3.000

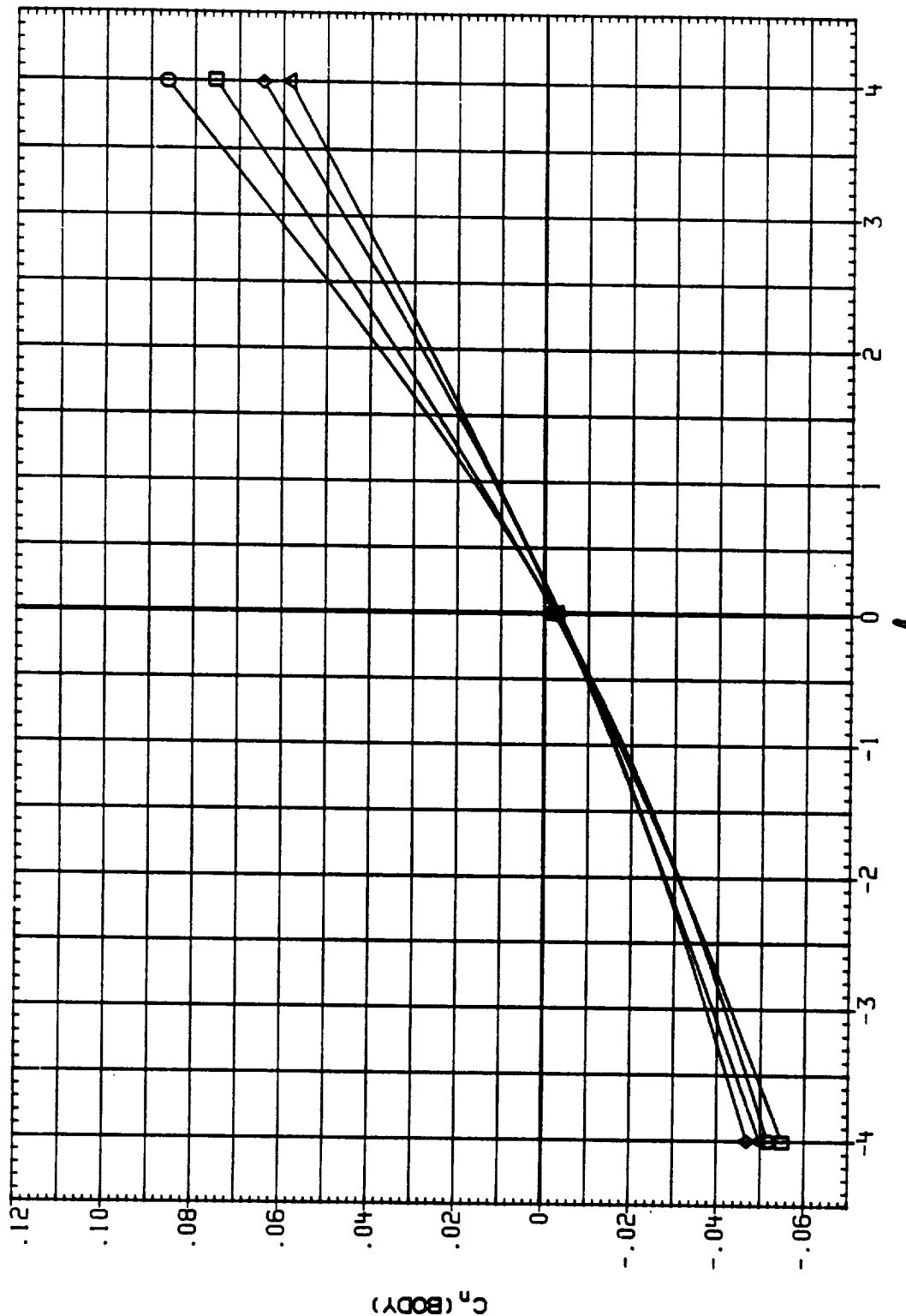


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0071	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	10.000	9.000
RC00A1	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	8.000	9.000
RC00B6	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.2	1.150	BOTTOM	10.000	9.000
RC00B4	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.2	1.150	BOTTOM	8.000	9.000

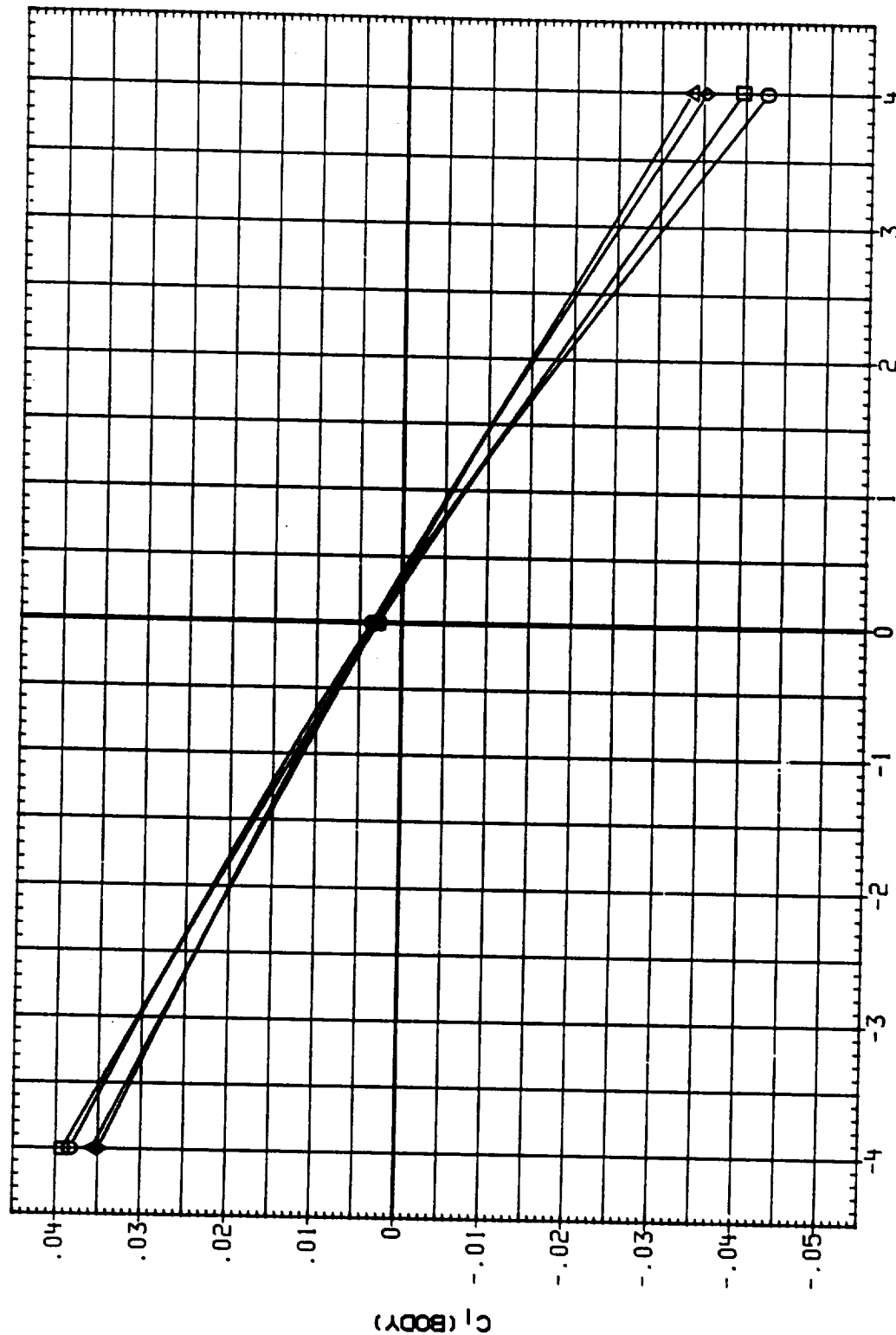


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

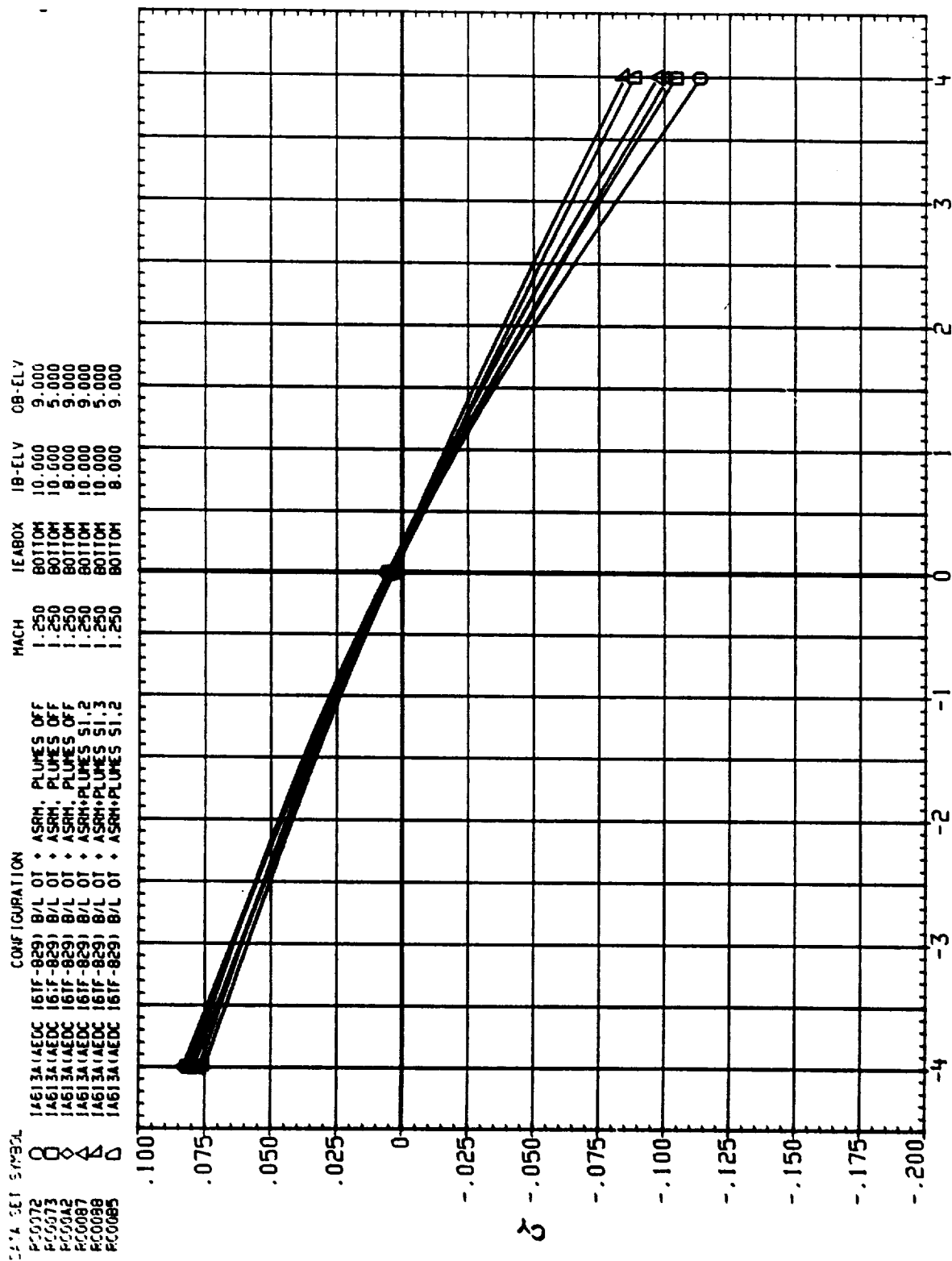


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0072
RC0073
RC00A2
RC0087
RC0088
RC0085

CONFIGURATION

IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES SI.2
IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES SI.3
IA613A/AEDC 16TF-829) B/L OT * ASRM, PLUMES SI.2

MACH

1.250
1.250
1.250
1.250
1.250
1.250

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
10.000
8.000
10.000
10.000
8.000

OB-ELV

5.000
5.000
9.000
9.000
5.000
9.000

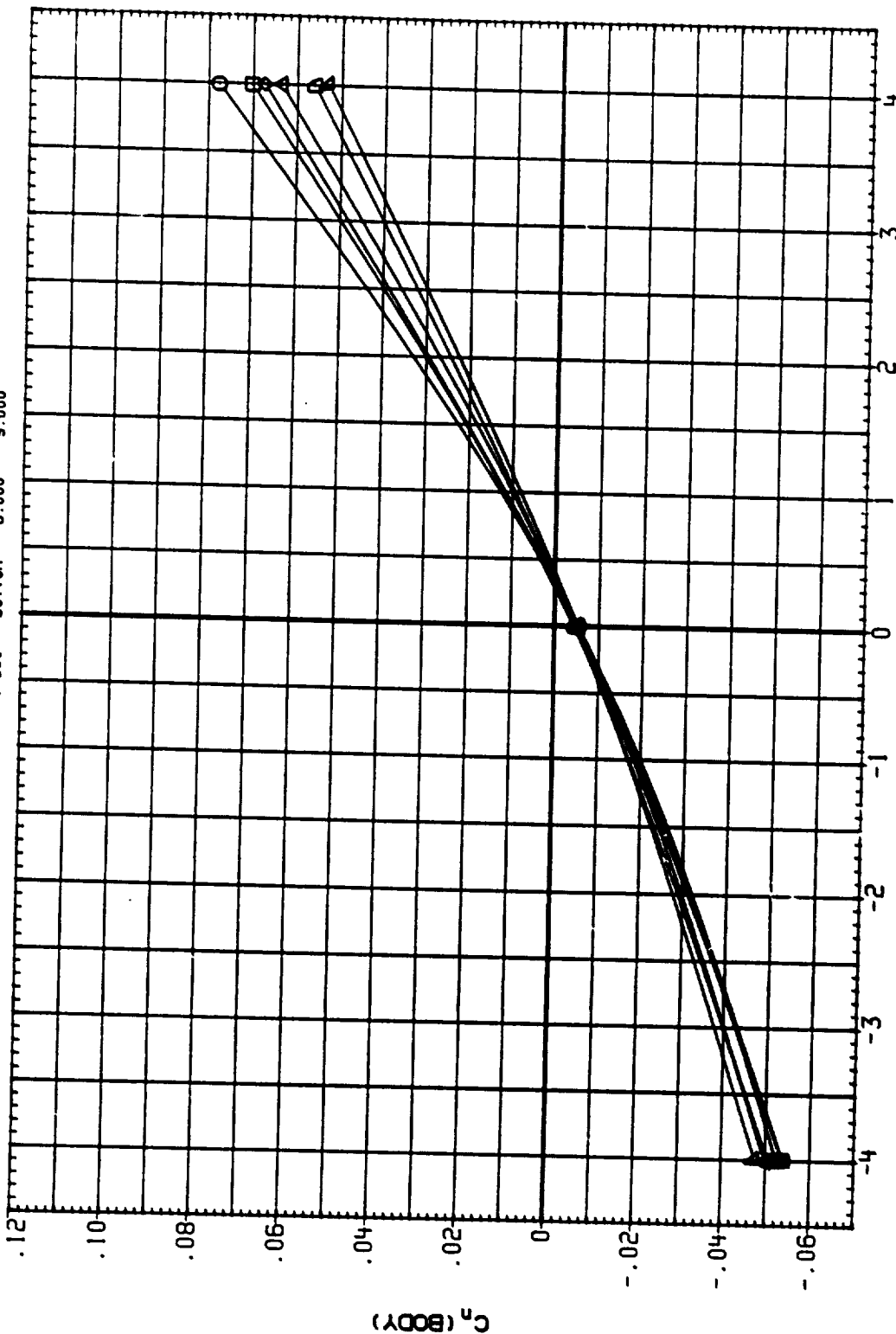


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IB-ELV	CB-ELV
RC0072	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
RC0082	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0087	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES S1.2	1.250	BOTTOM	10.000	9.000
RC0088	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES S1.3	1.250	BOTTOM	10.000	5.000
RC0085	IA613A1AEDC 161F-823) B/L OT + ASRM, PLUMES S1.2	1.250	BOTTOM	8.000	9.000

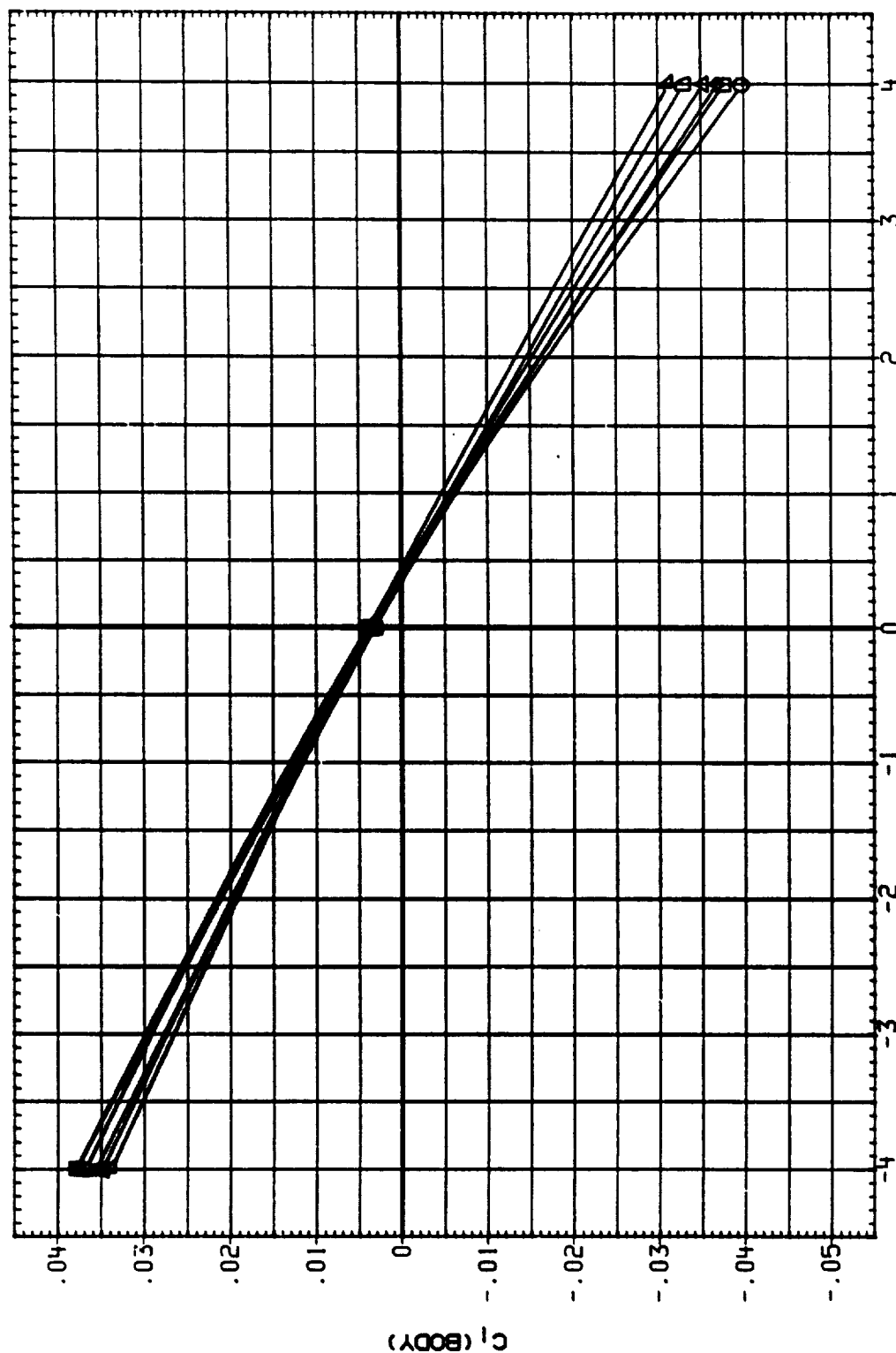


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET 54950

CONFIGURATION
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES SI.3
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES SI.3

ACH 1EACH 15-EL 15-EL
 1.300 BOTTOM 10.000 5.000
 1.300 BOTTOM 8.000 5.000
 1.300 BOTTOM 10.000 5.000
 1.300 BOTTOM 8.000 5.000

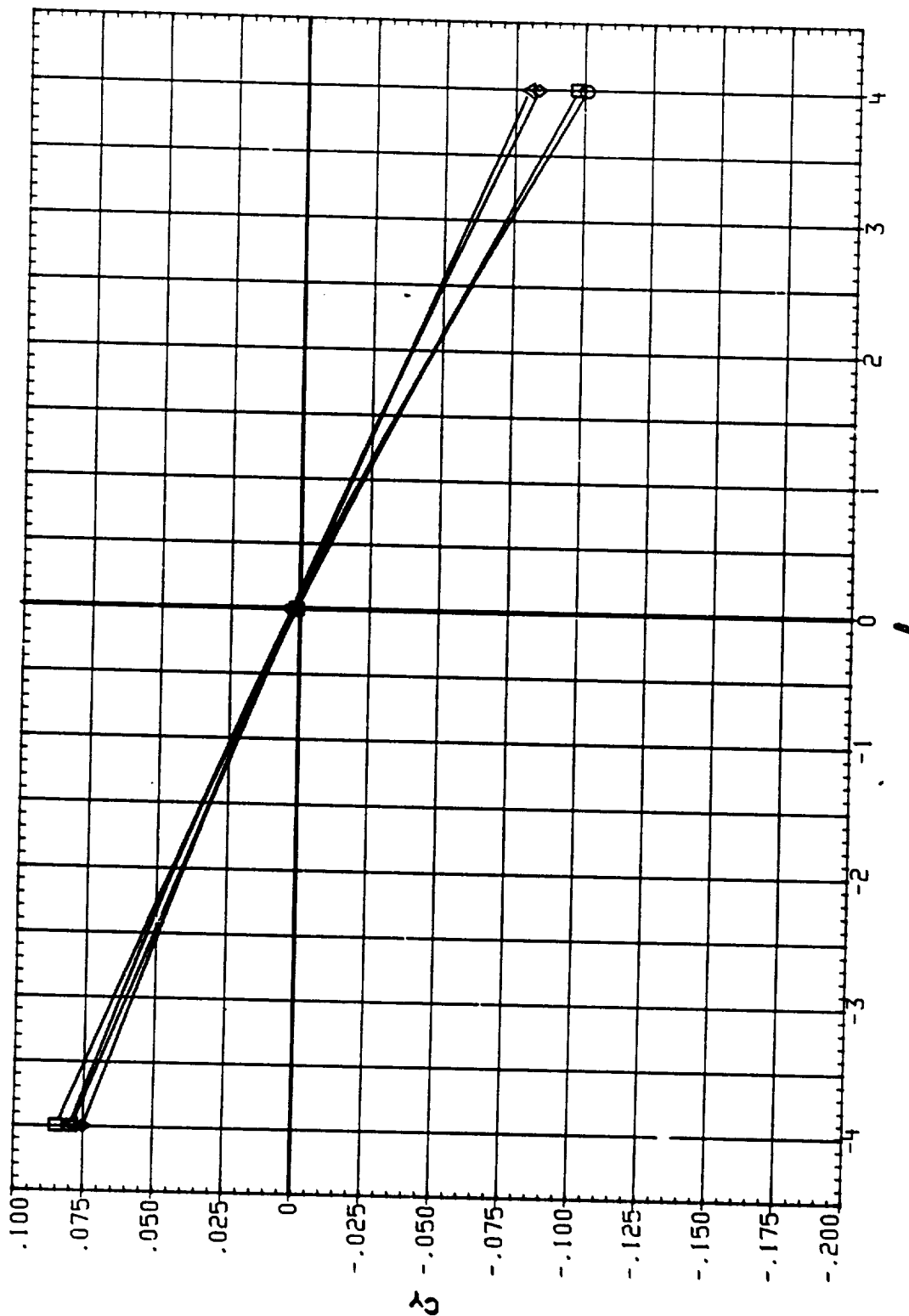


FIG. 8 EFFECT OF ELEVON SCHEDULES
 LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	SB-FLY
RC0074	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
RC0074	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
RC0089	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.3	1.300	BOTTOM	10.000	5.000
RC0087	IASI3A1AEDC 161F-829) B/L OT + ASRM, PLUMES ST.3	1.300	BOTTOM	8.000	5.000

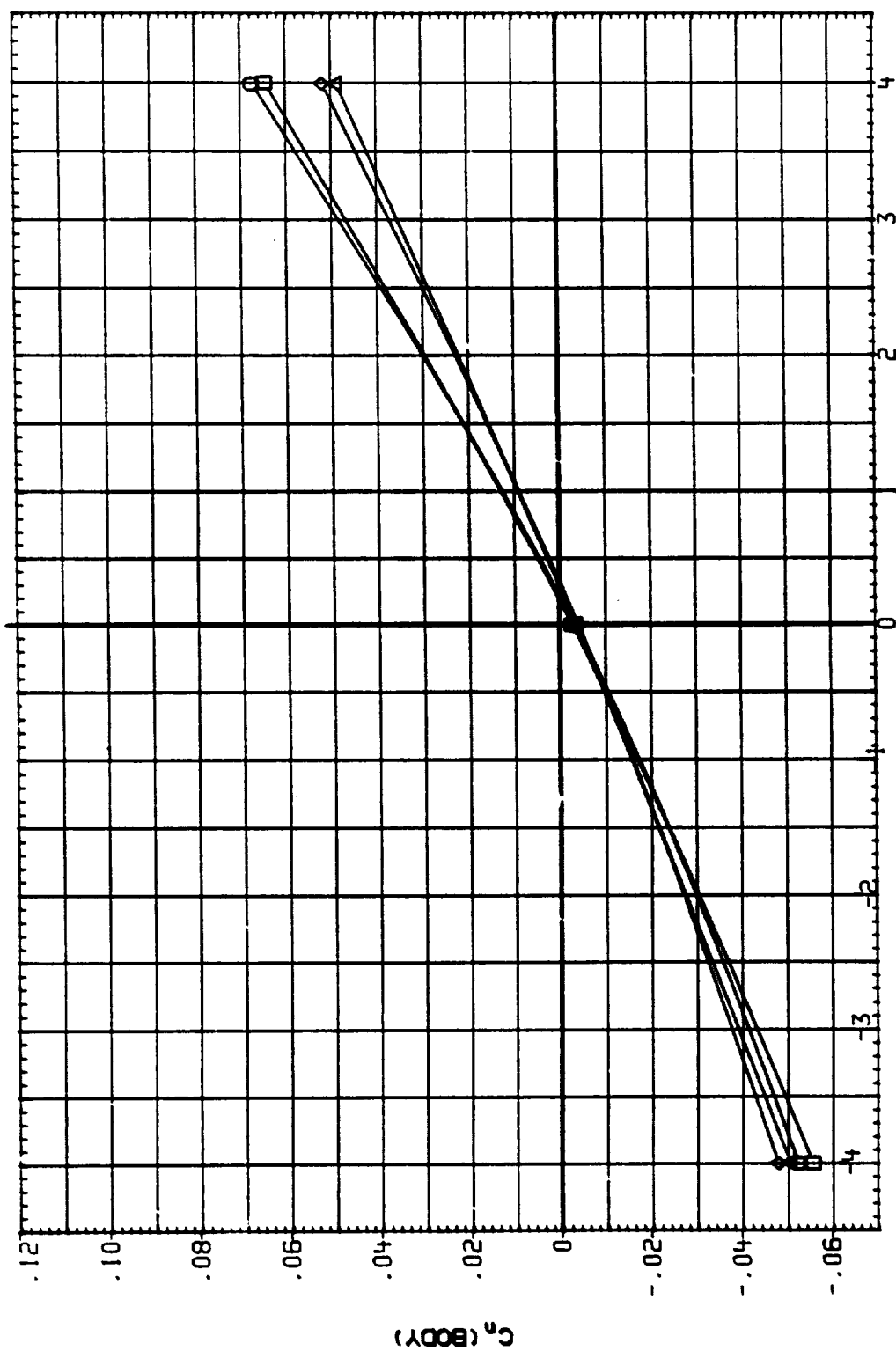


FIG. 8 EFFECT OF ELEVEN SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0074	IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
RC0084	IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
RC0089	IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.300	BOTTOM	10.000	5.000
RC0087	IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3	1.300	BOTTOM	8.000	5.000

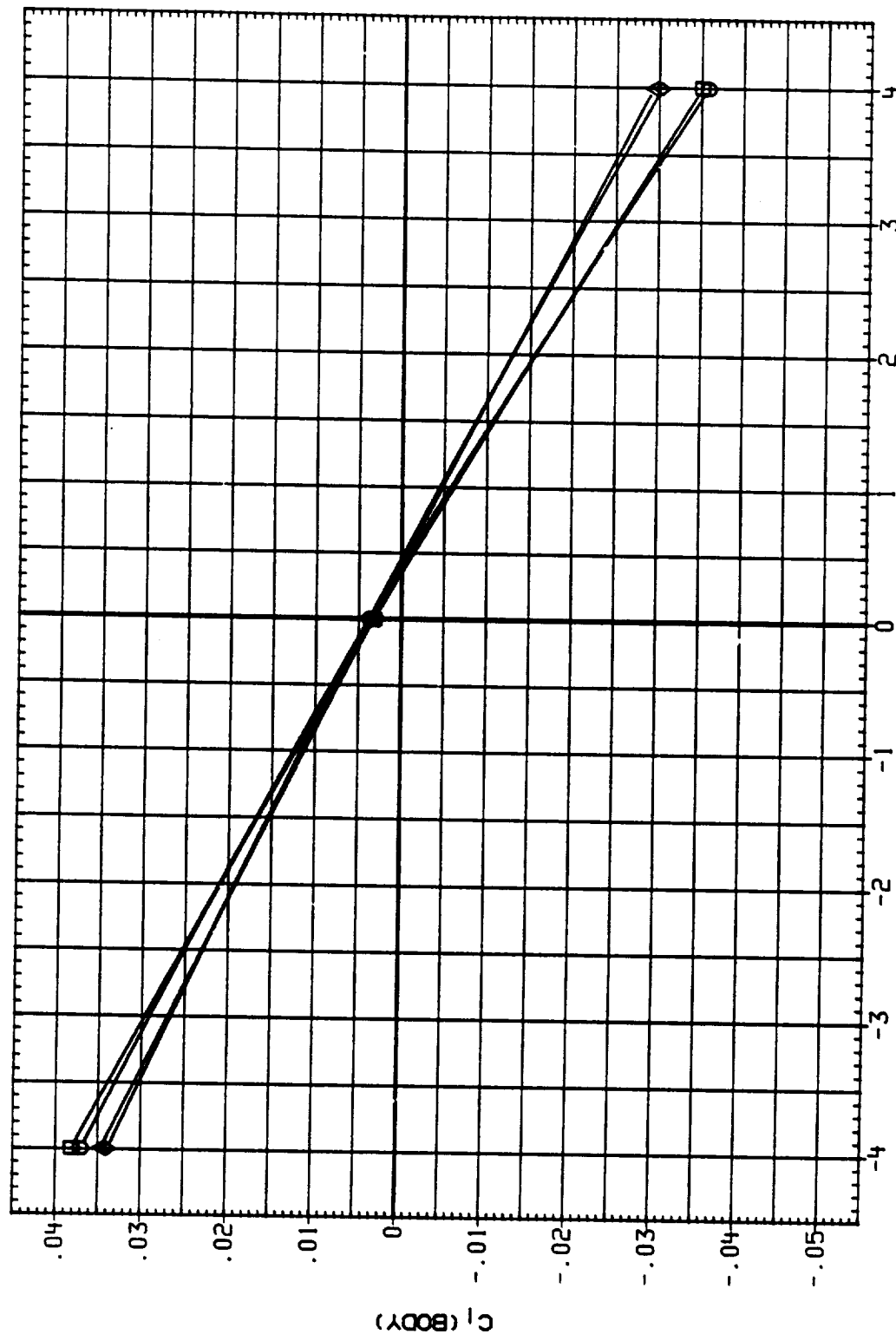


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
RC0075	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	BOTTOM	10.000	5.000
RC0045	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	BOTTOM	8.000	5.000
RC0090	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES SI.3	1.350	BOTTOM	10.000	5.000
RC0088	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES SI.3	1.350	BOTTOM	8.000	5.000

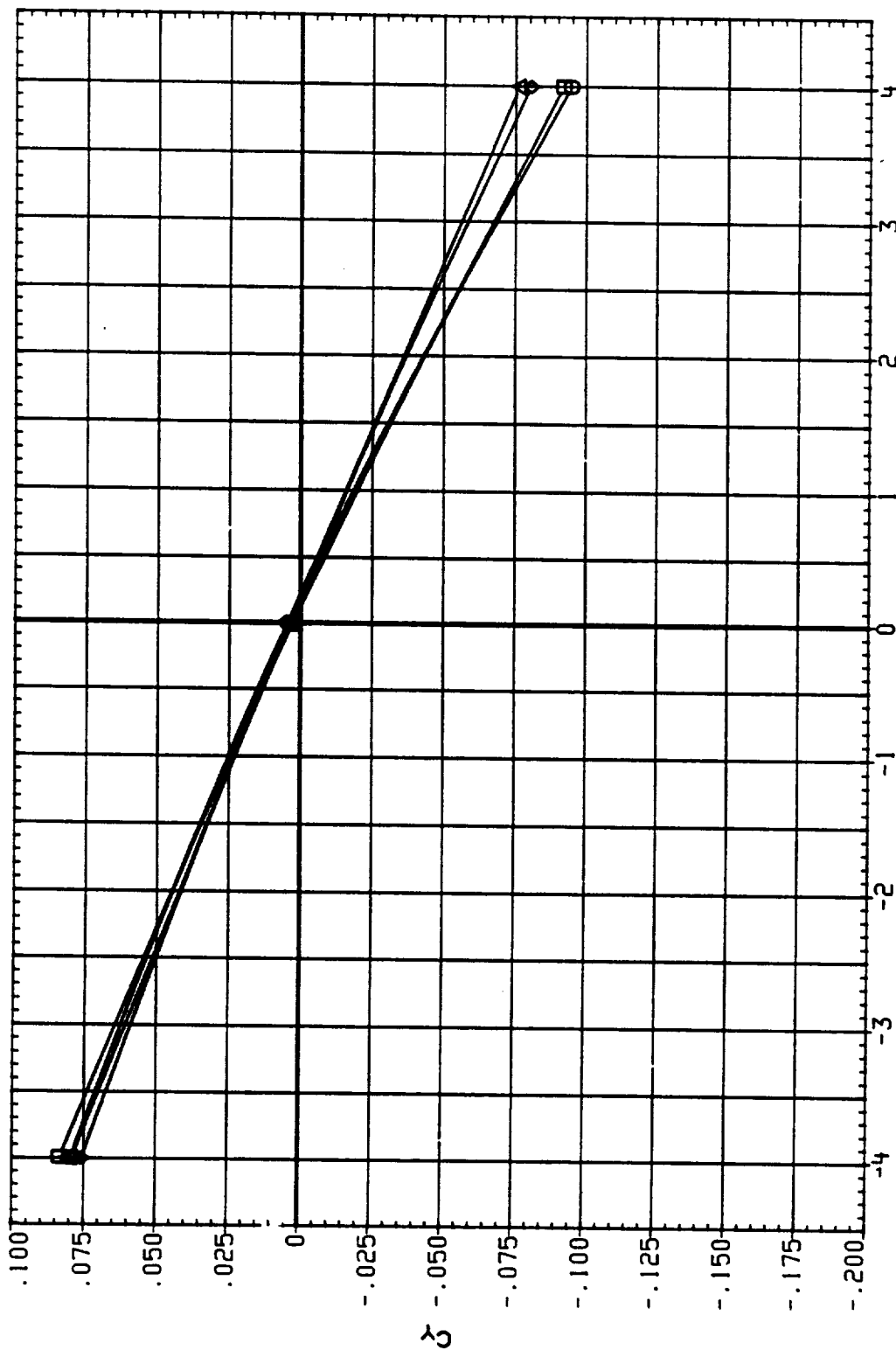


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

RC0075
RC0045
RC0090
RC0088

CONFIGURATION

1A613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
1A613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
1A613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES 51.3
1A613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES 51.3

MACH

1.350
1.350
1.350
1.350

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

5.000
5.000
5.000
5.000

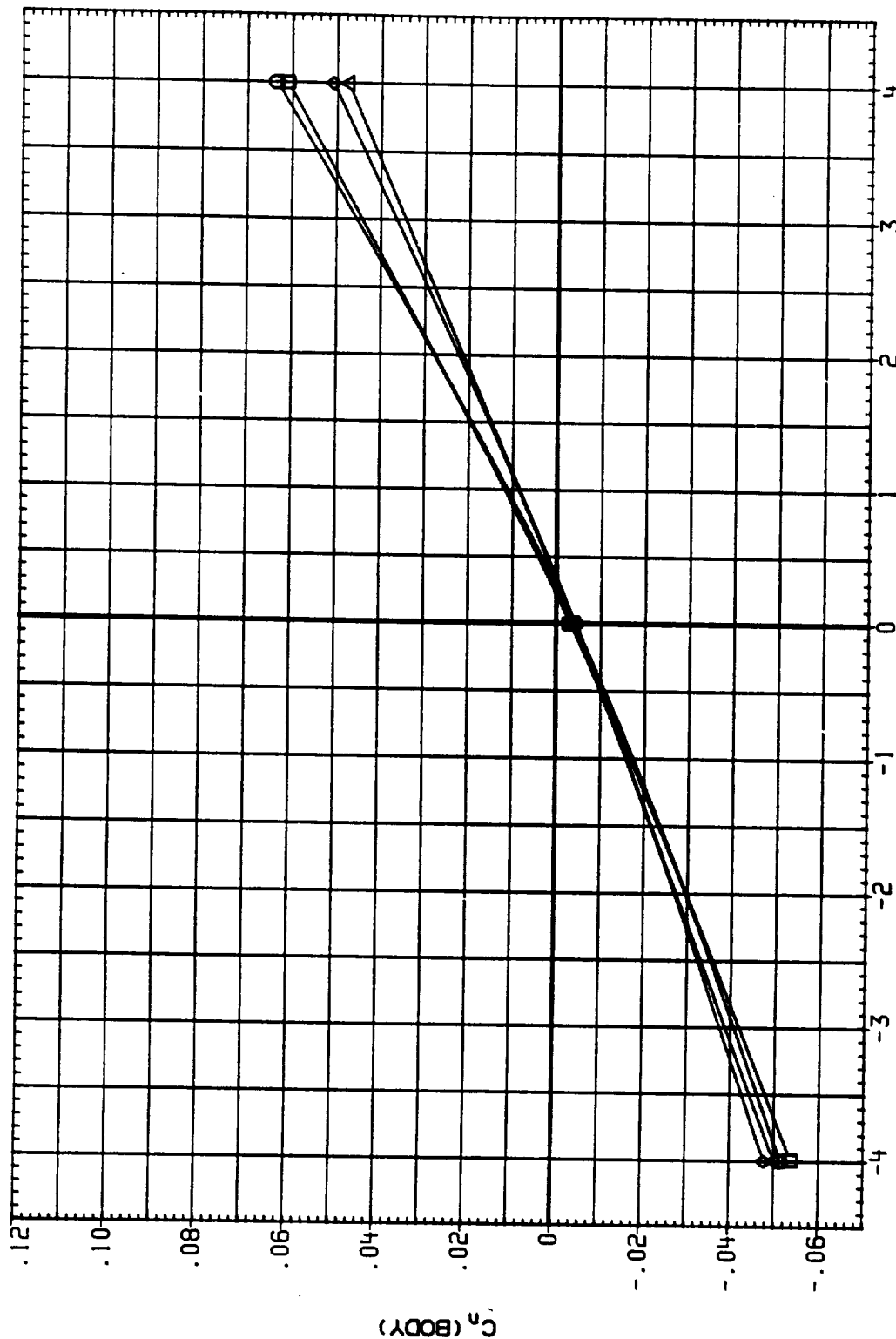


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0075
RC0045
RC0090
RC0089

CONFIGURATION

IA613A(AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
IA613A(AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
IA613A(AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.3
IA613A(AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.3

MACH

1.350
1.350
1.350
1.350

ICABOX

1B-ELV

OB-ELV

10.000
8.000
10.000
8.000

5.000
5.000
5.000
5.000

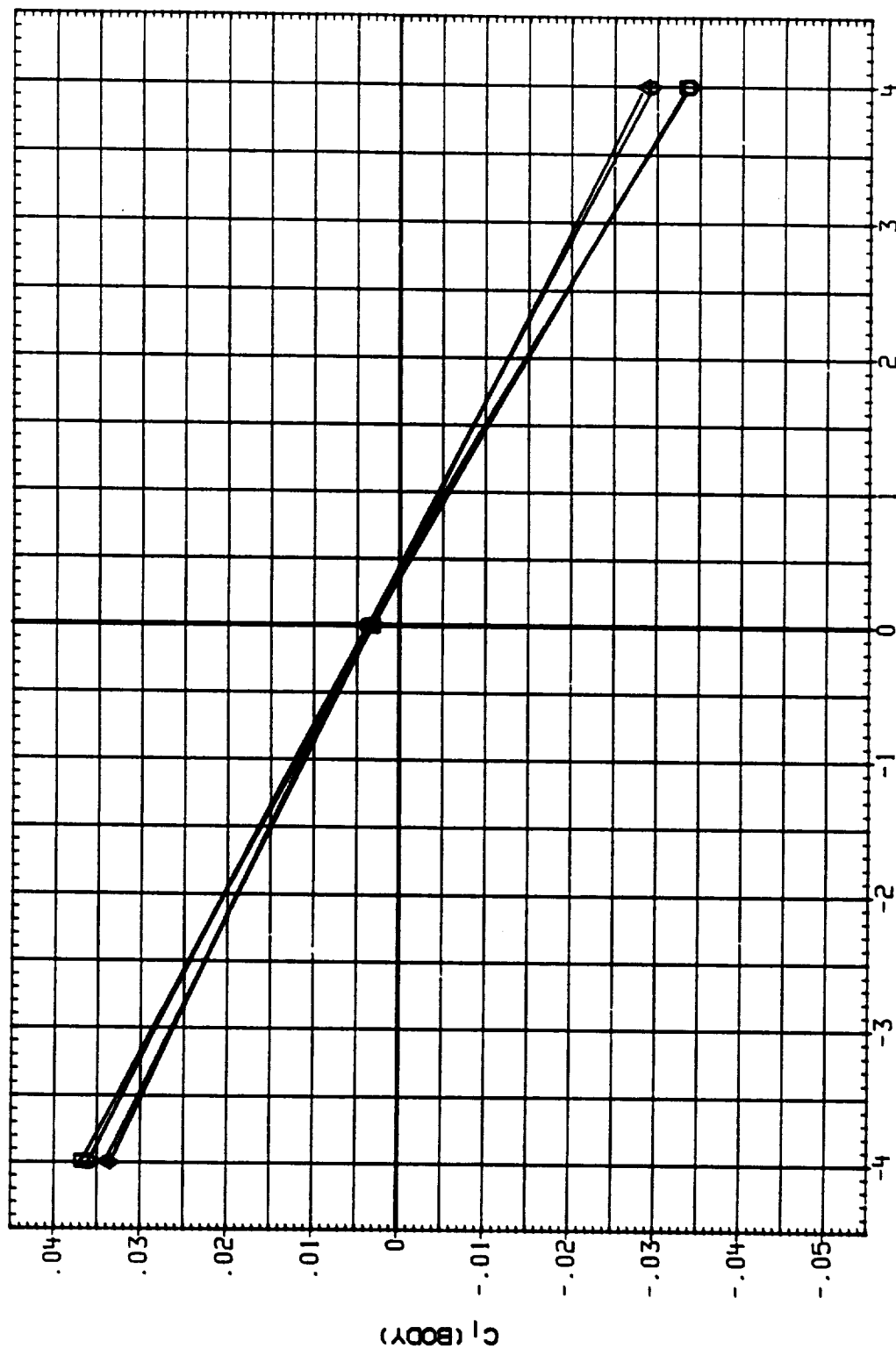


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0076
RC0078
RC0046
RC0091
RC0093
RC0089

CONFIGURATION

IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES OFF
IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES OFF
IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES OFF
IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES SI.3
IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES SI.3
IA613AIAEDC 16TF-829) B/L OT + ASRM, PLUNES SI.3

MACH IB-ELV CB-ELV
1.400 10.000 5.000
1.400 10.000 -5.000
1.400 8.000 5.000
1.400 10.000 -5.000
1.400 8.000 5.000

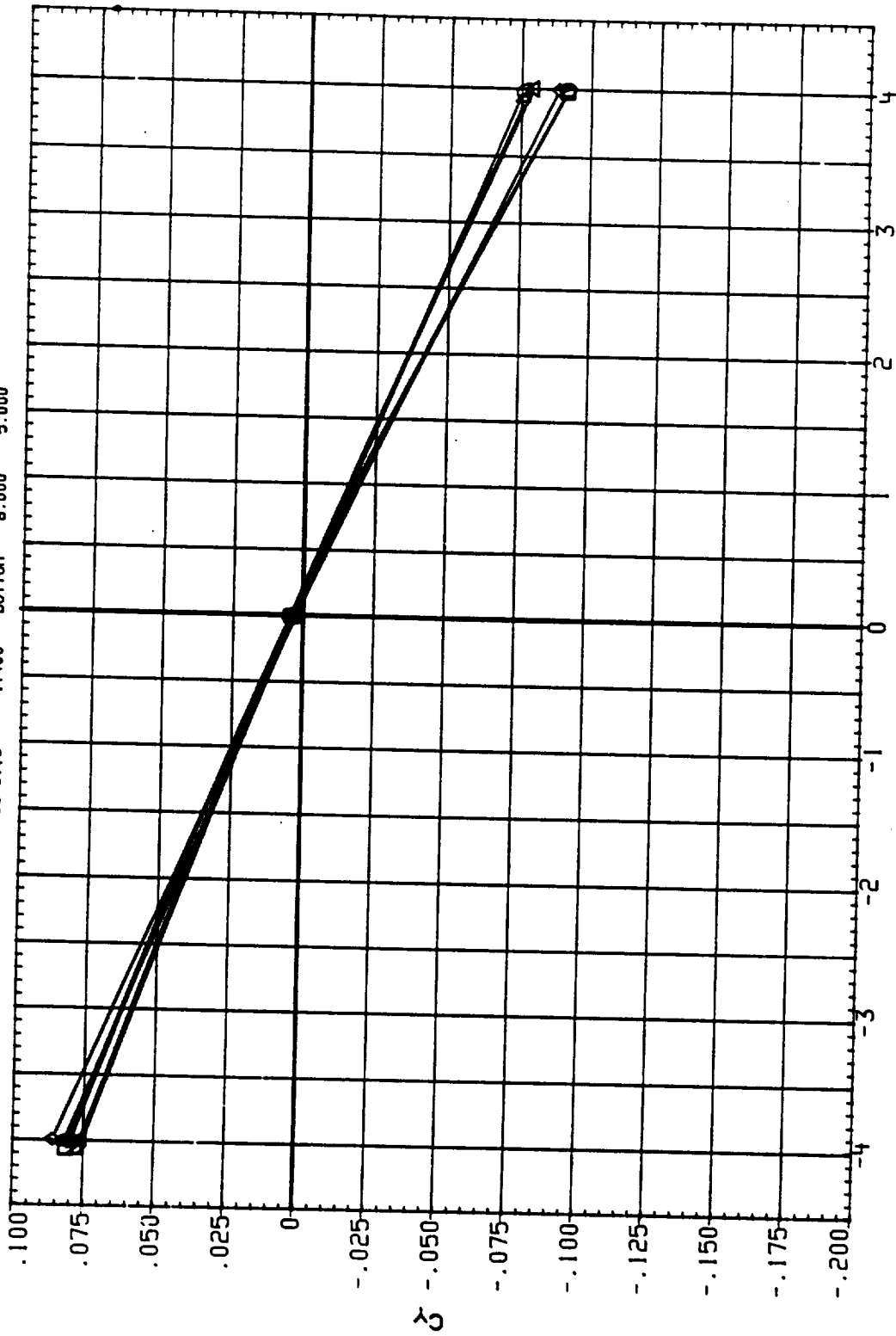


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEBOX	19-ELV	OB-ELV
RC0076	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0078	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES OFF	1.400	BOTTOM	10.000	-5.000
RC0046	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES OFF	1.400	BOTTOM	8.000	5.000
RC0091	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES S1.3	1.400	BOTTOM	10.000	5.000
RC0093	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
RC0089	1A613A1AEDC 161F-8291 B/L OI * ASRM. PLUMES S1.3	1.400	BOTTOM	8.000	5.000

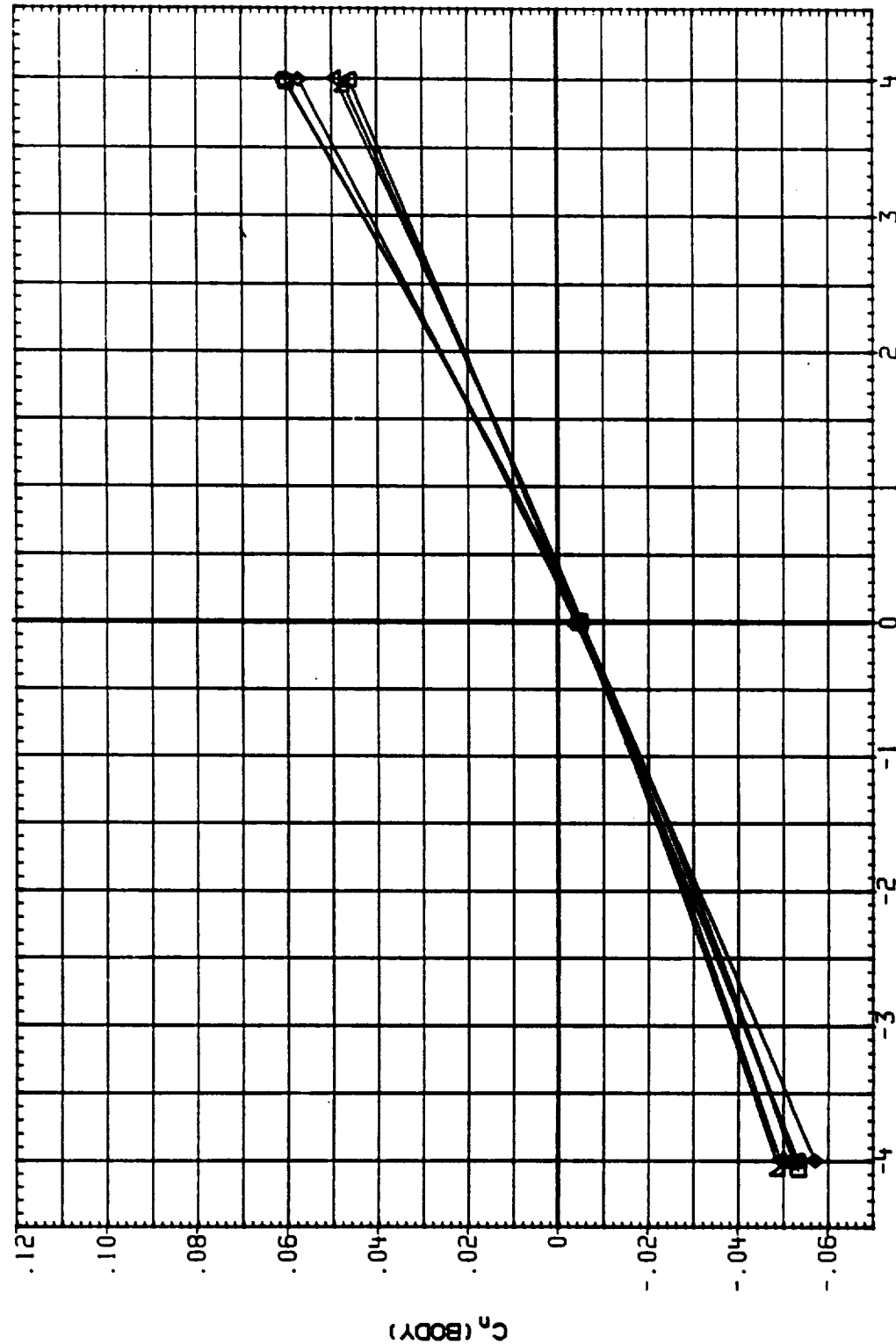


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0076	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0078	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
RC00A6	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0091	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	10.000	5.000
RC0093	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
RC00B3	IAGI3AIAEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	8.000	5.000

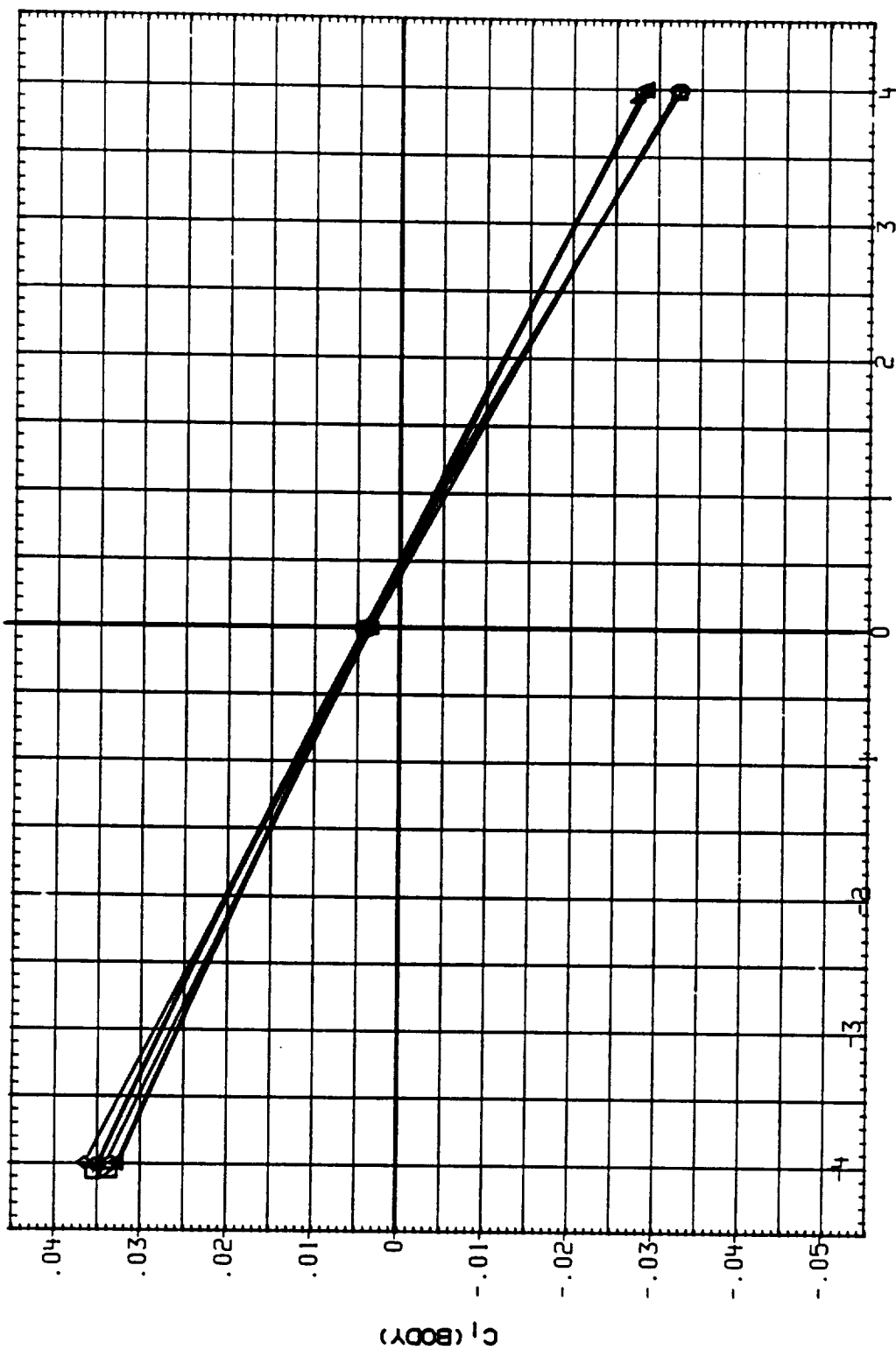


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0077	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF	1.550	801" OM	10.000	5.000
RC0079	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF	1.550	801" OM	10.000	-5.000
RC00A7	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF	1.550	801" OM	10.000	5.000
RC0092	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES S1.3	1.550	801" OM	10.000	5.000
RC0094	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES S1.3	1.550	801" OM	10.000	-5.000
RC00C0	IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES S1.3	1.550	801" OM	10.000	5.000

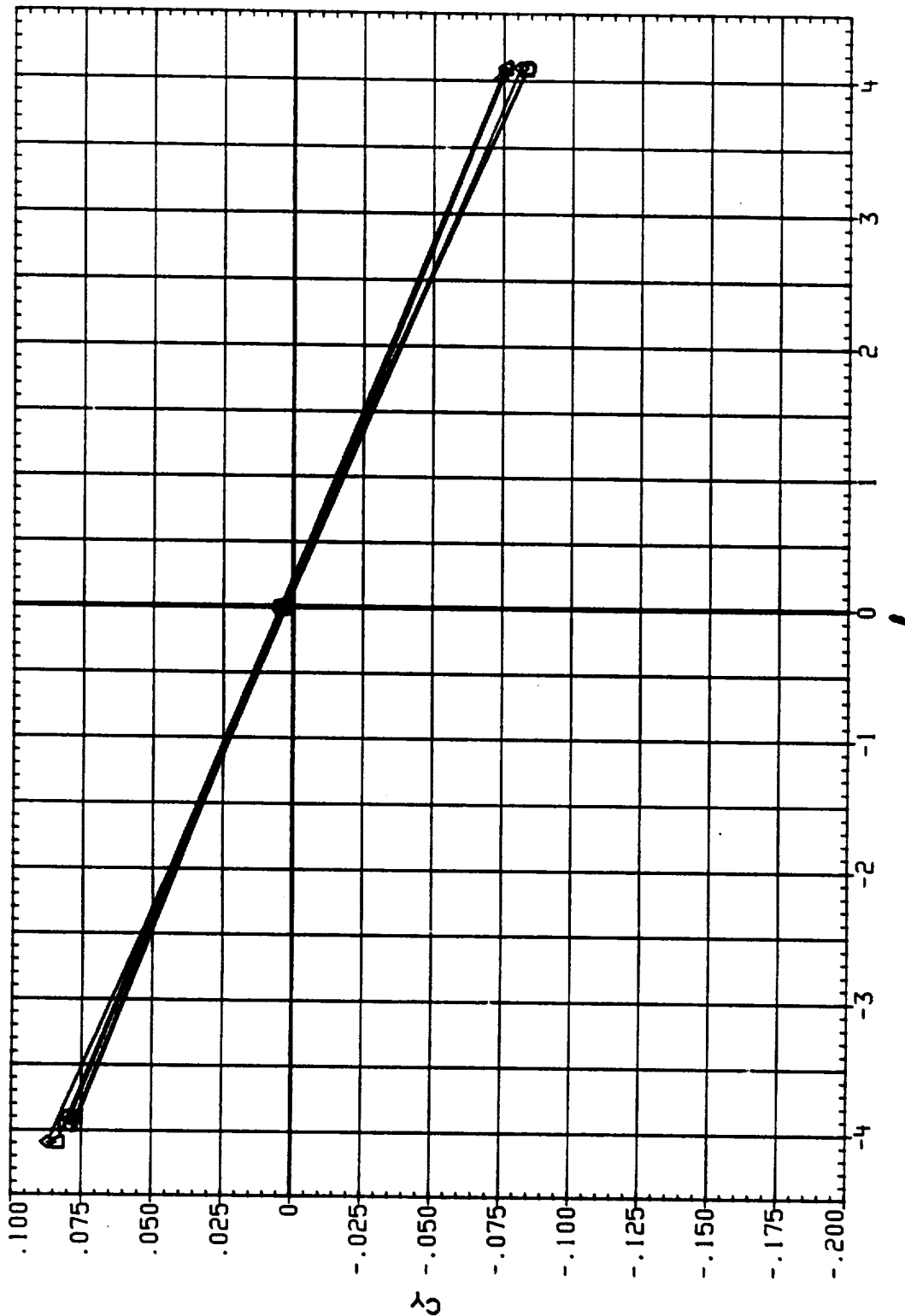


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

RC0077
RC0079
RC00A7
RC0092
RC0094
RC00C0

CONFIGURATION

IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES OFF
IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES OFF
IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES OFF
IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES SI.3
IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES SI.3
IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUNES SI.3

MACH

1.550
1.550
1.550
1.550
1.550
1.550

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
10.000
8.000
10.000
10.000
8.000

OB-ELV

5.000
-5.000
5.000
5.000
-5.000
5.000

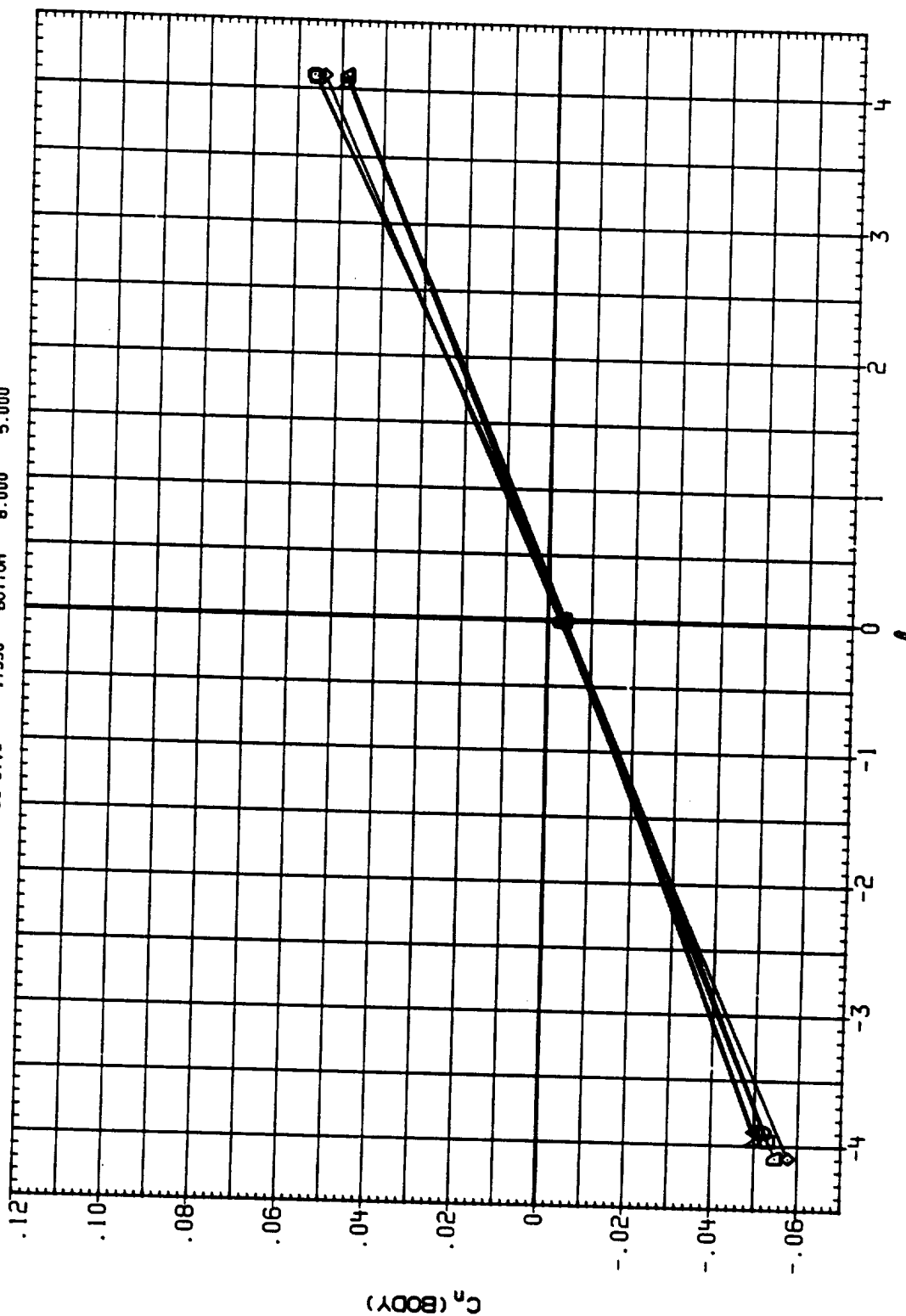


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0077	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
RC00A7	IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES SI.3	1.550	BOTTOM	10.000	5.000
RC0094	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES SI.3	1.550	BOTTOM	10.000	-5.000
RC00C0	IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES SI.3	1.550	BOTTOM	8.000	5.000

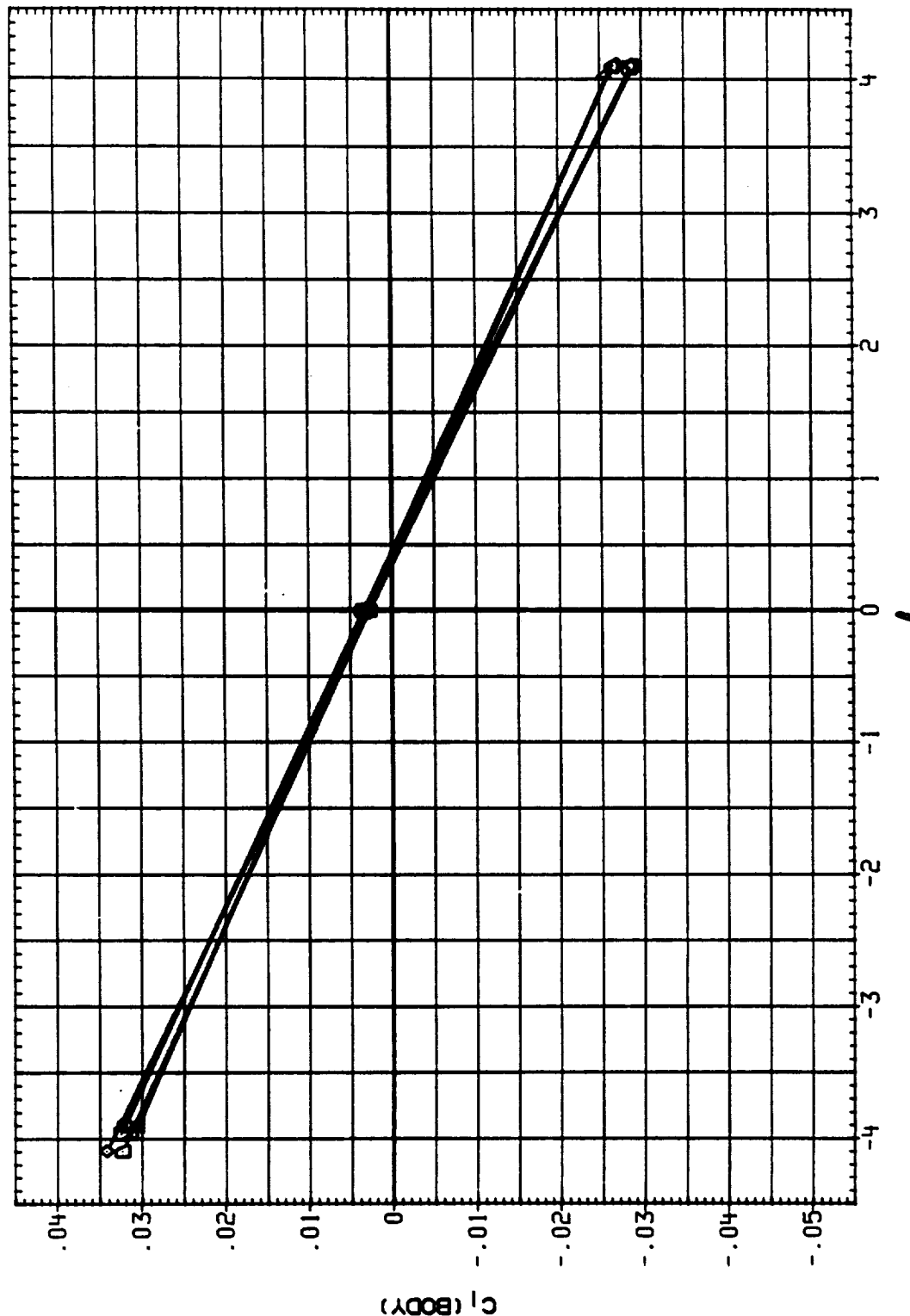


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

SC0001
SC0002
SC0060

□
◇
◇

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH

.600
.600
.600

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-L-V

5.000
5.000
5.000

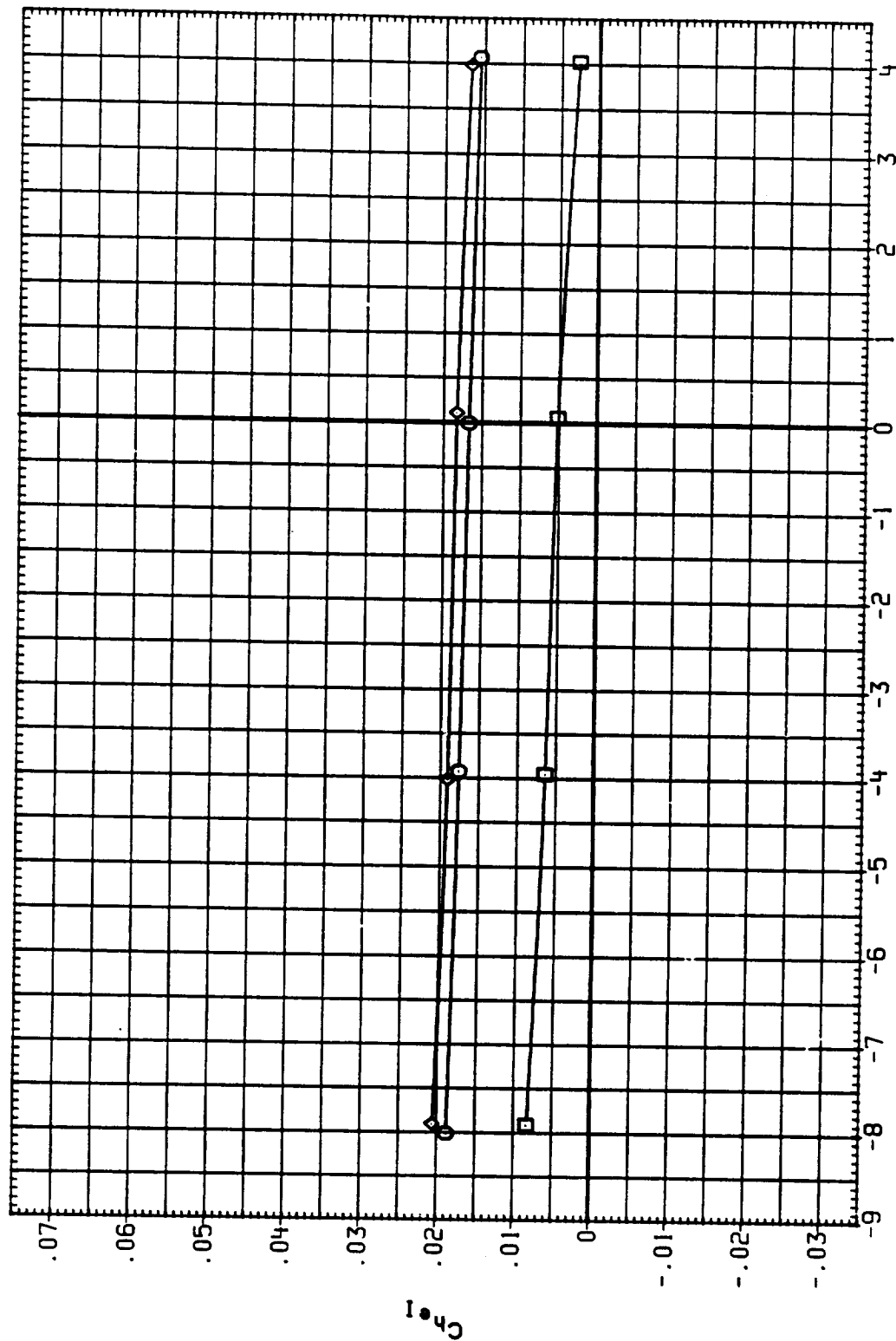


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	OB-ELV
SC0001	1A513A/AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	.600	TOP	10.000	5.000
SC0042	1A513A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000
SC0060	1A513A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	5.000

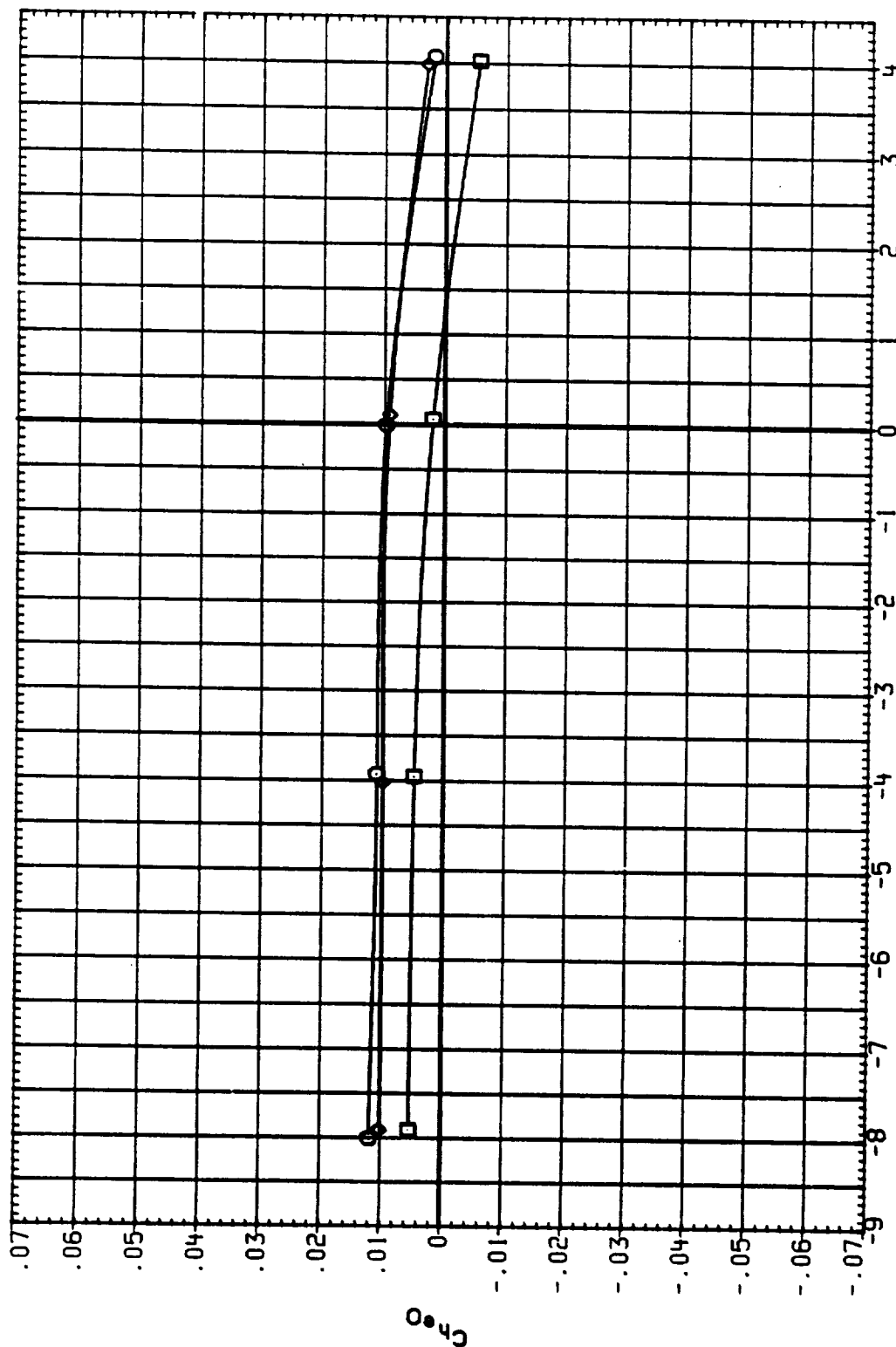


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0001
SC0042
SC0060

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

ACH

.600
.600
.600

IE/BOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

CS-ELV

5.000
9.000
5.000

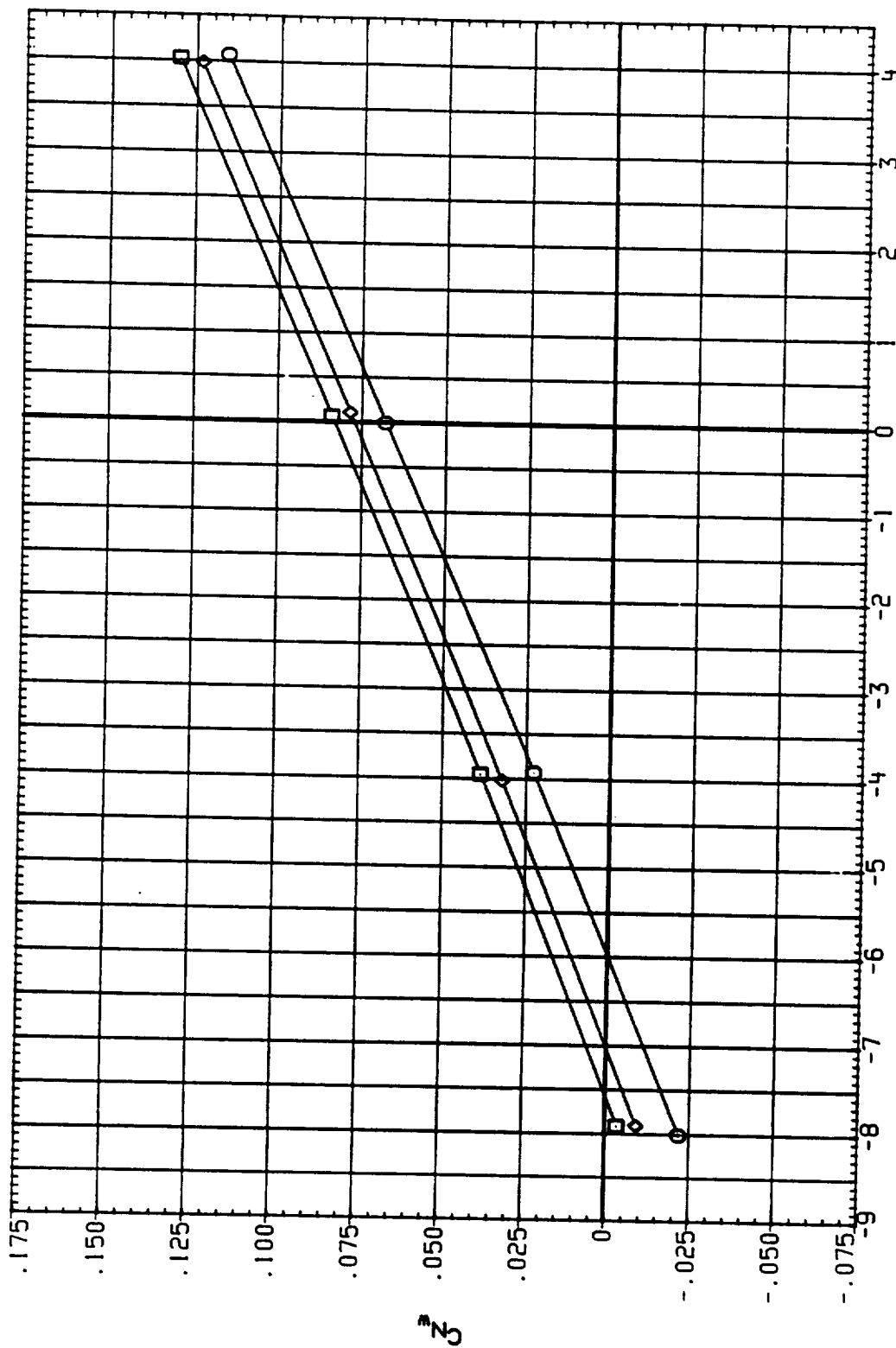


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		1E4BOX		1B-ELV		OB-ELV	
SC0001	□	1A613A1AEDC	1B1F-829) OT (MIRROR) + ASRH + S1.2	.600	TOP	10.000	5.000				
SC0002	○	1A613A1AEDC	1B1F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	10.000	9.000				
SC0060	◇	1A613A1AEDC	1B1F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	10.000	5.000				

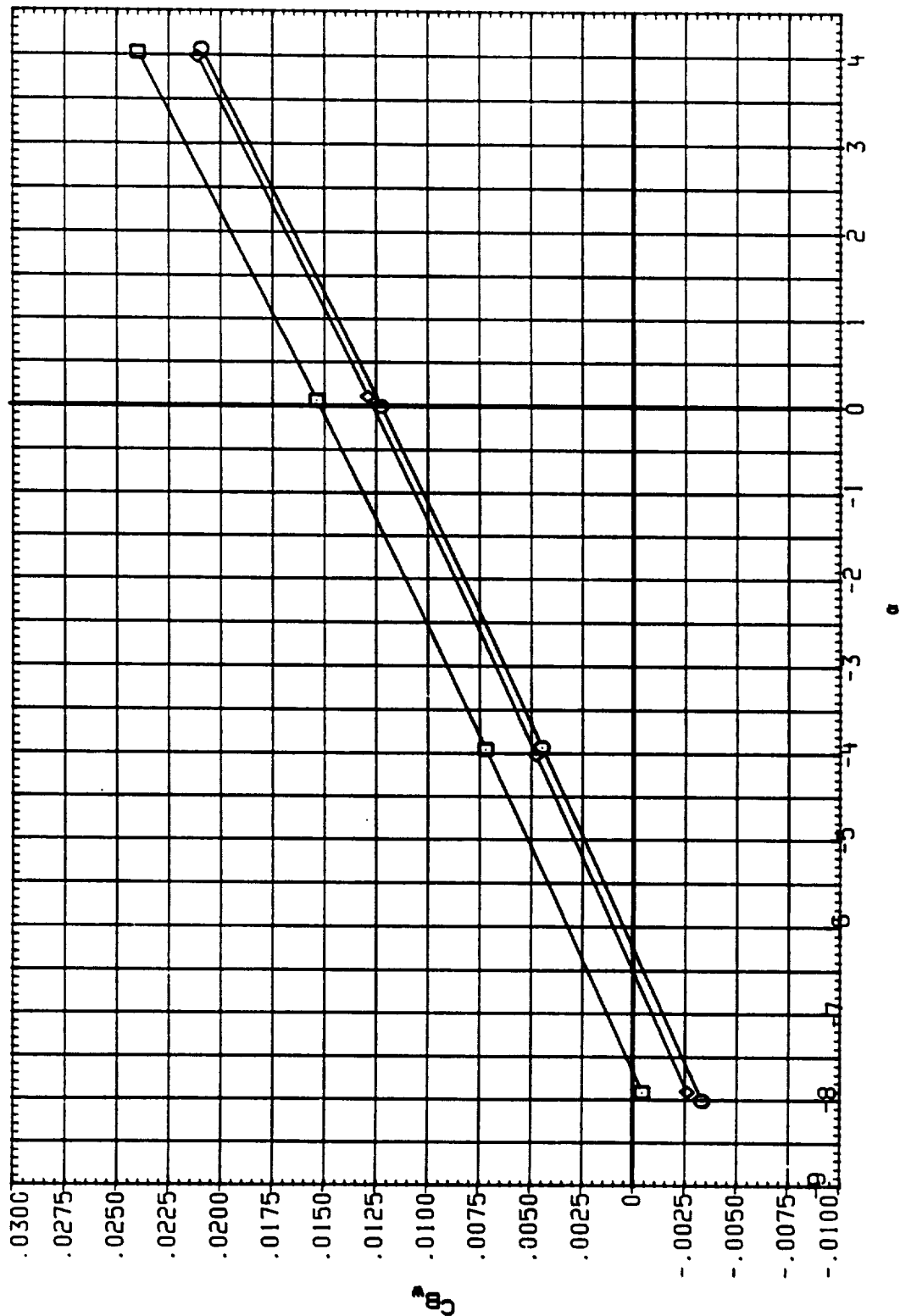


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0001	□	IA613A(AEDC 161F-829)	OT (MIRROR)	ASRM + S1.2	.600	TOP	10.000	10.000	5.000		
SC0002	□	IA613A(AEDC 161F-829)	B/L OT + ASRM+PLUNES S1.2		.600	TOP	10.000	10.000	9.000		
SC0060	◇	IA613A(AEDC 161F-829)	B/L OT + ASRM+PLUNES S1.2		.600	TOP	10.000	10.000	5.000		

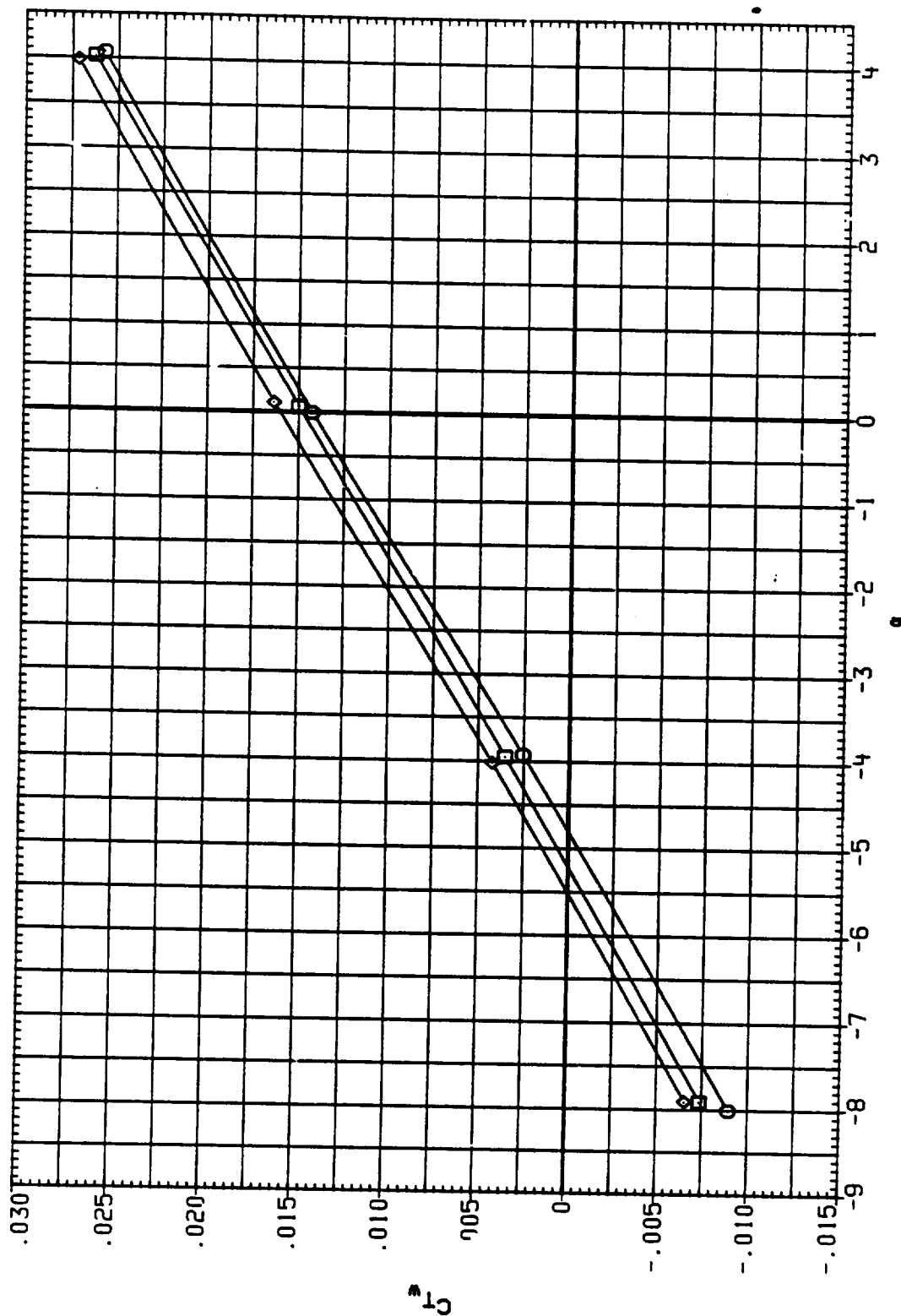


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0002
SC0003



CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.800
.800

IEABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

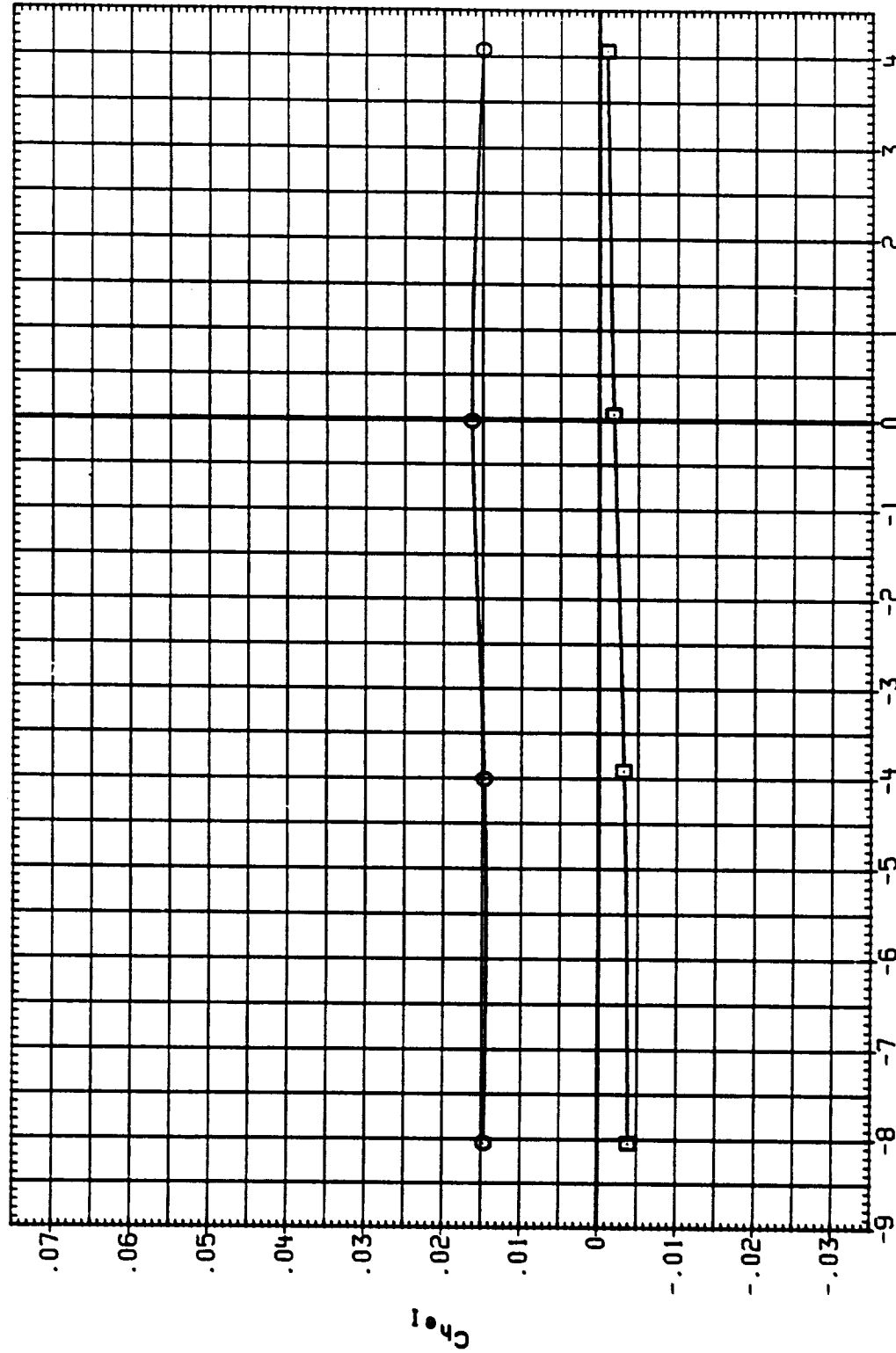


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0002	1A613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2	.800	TOP	10.000	5.000
SC0003	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.800	TOP	10.000	9.000

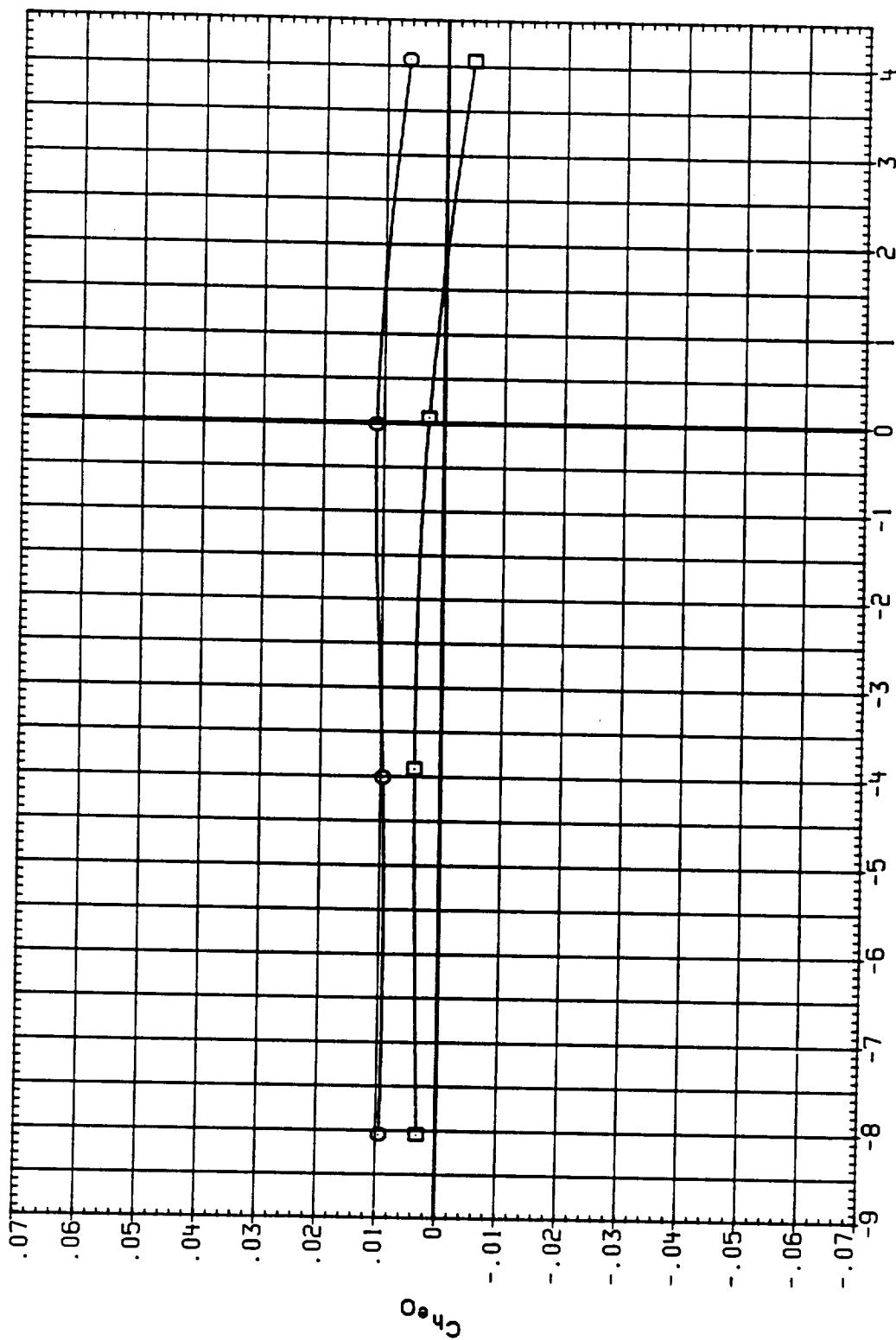


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH 1E-BOX 1B-ELV 0B-ELV

SC0002 1A613A/AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 .800 TOP 10.000 5.000

SC0003 1A613A/AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2 .800 TOP 10.000 9.000

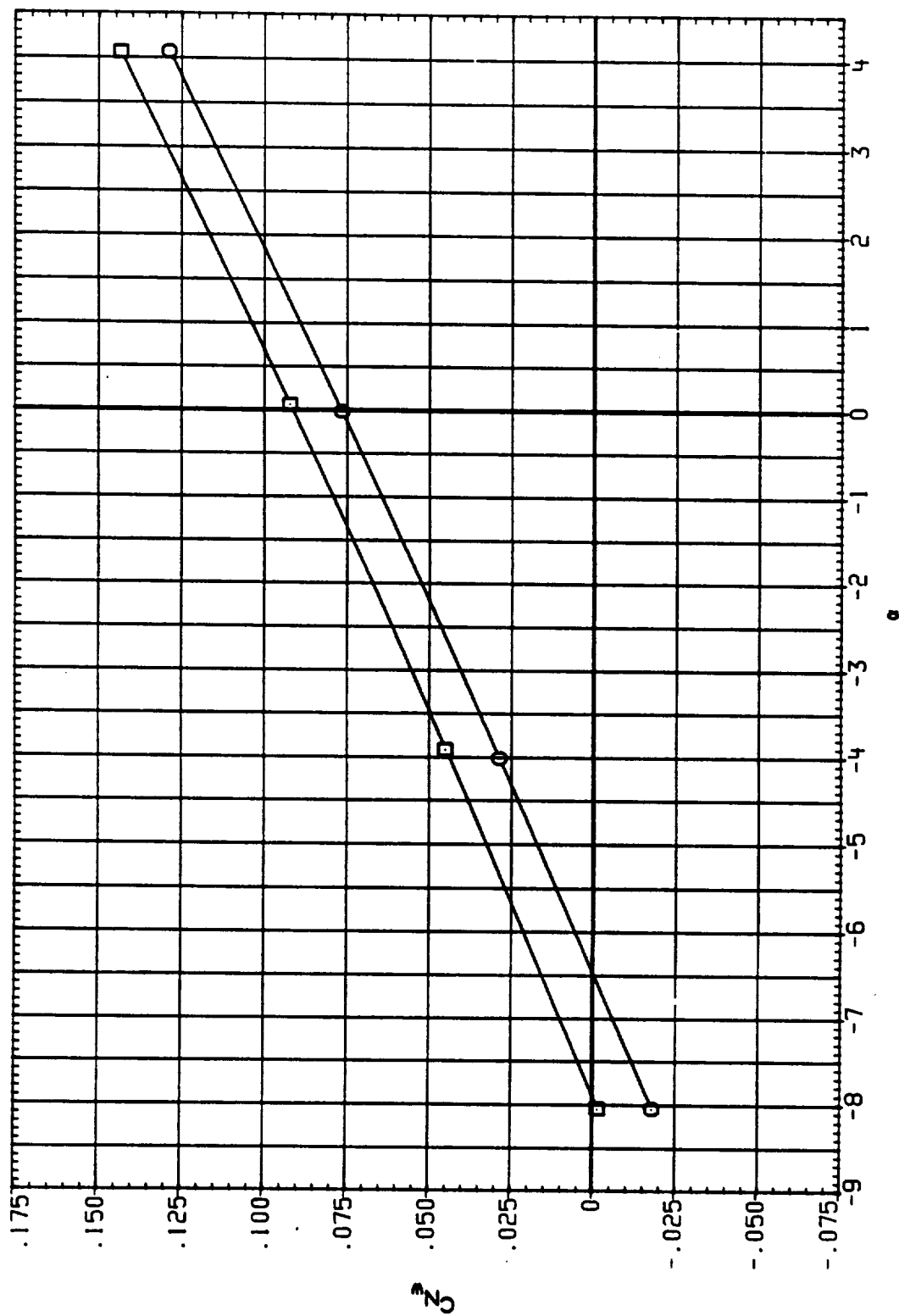


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0002
SC0043

CONFIGURATION

IA613A1AEDC 15TF-929) OT (MIRROR) + ASRM + S1.2
IA613A1AEDC 16TF-823) B/L OT + ASRM+PLUMES S1.2

MACH

.300
.800

IEABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

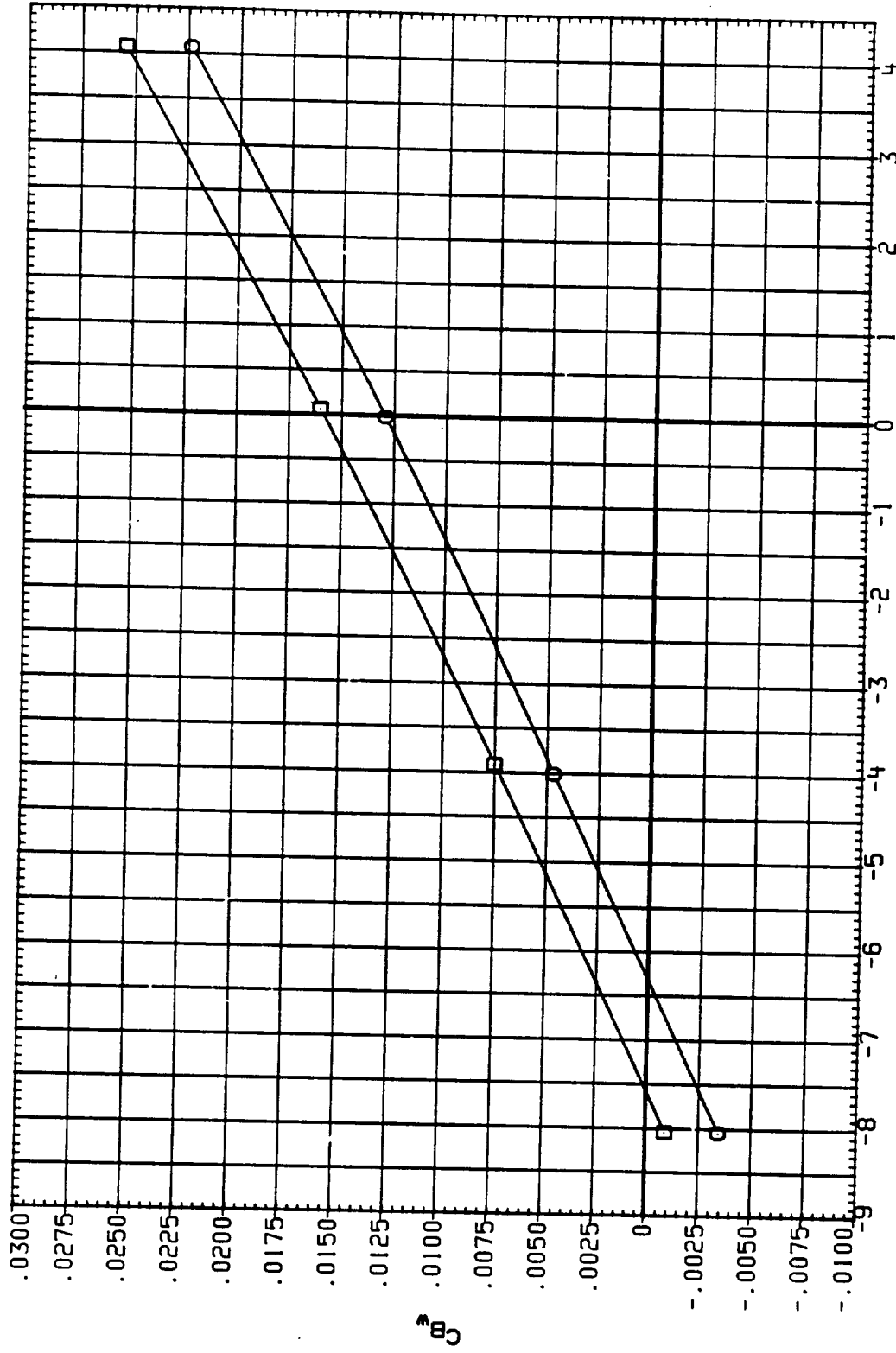


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0002
SC0043

CONF IGURATION

1A613A1AEDC 161F-8291 OT (MIRROR) + ASRM + 51.2
1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES 51.2

MACH

.800
.800

1E4BOX

TOP
TOP

1B-ELV

10.000
10.000

OB-ELV

5.000
9.000

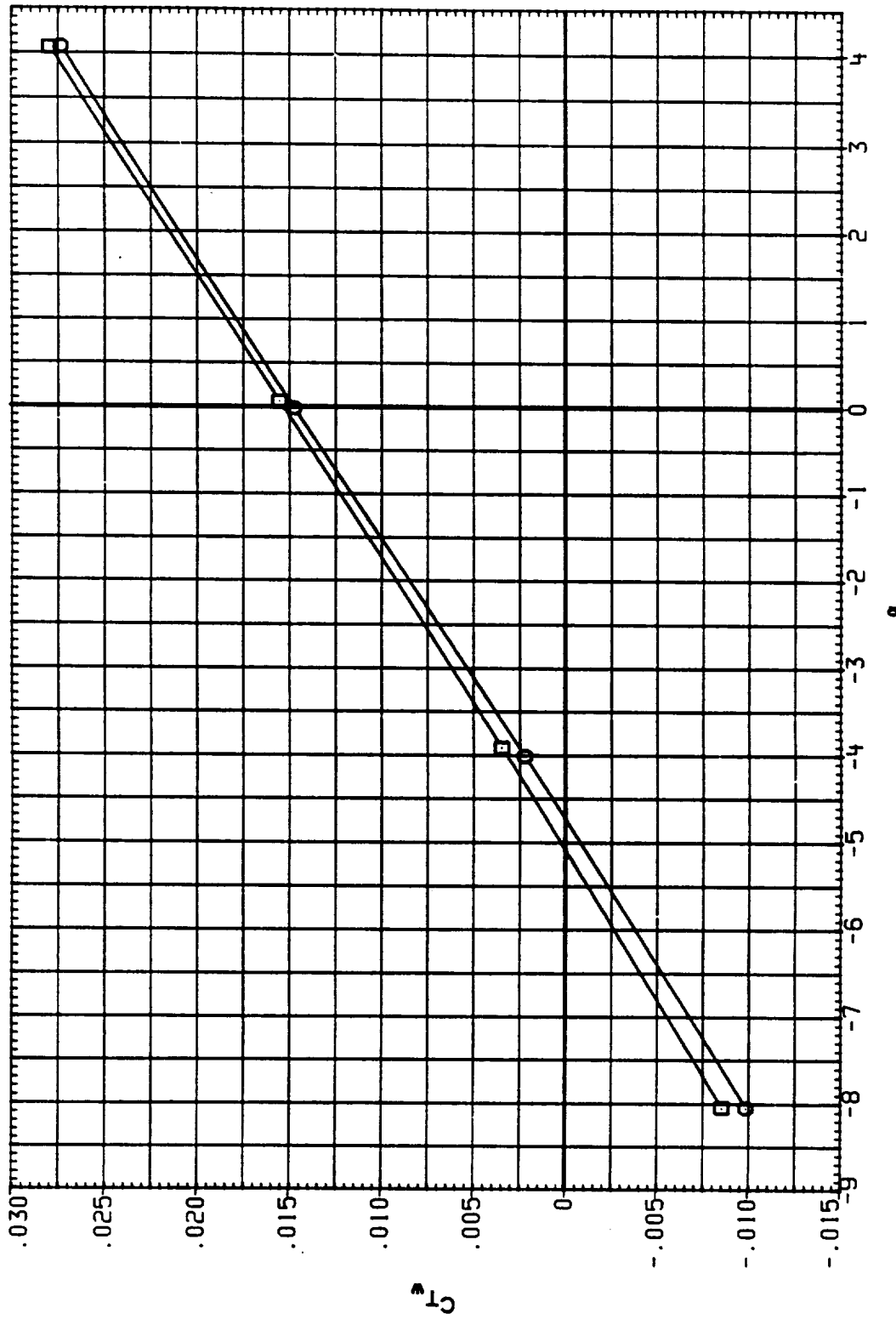


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONF IGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0003	IA613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	.900	TOP	10.000	5.000
SC0004	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000
SC0061	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	5.000

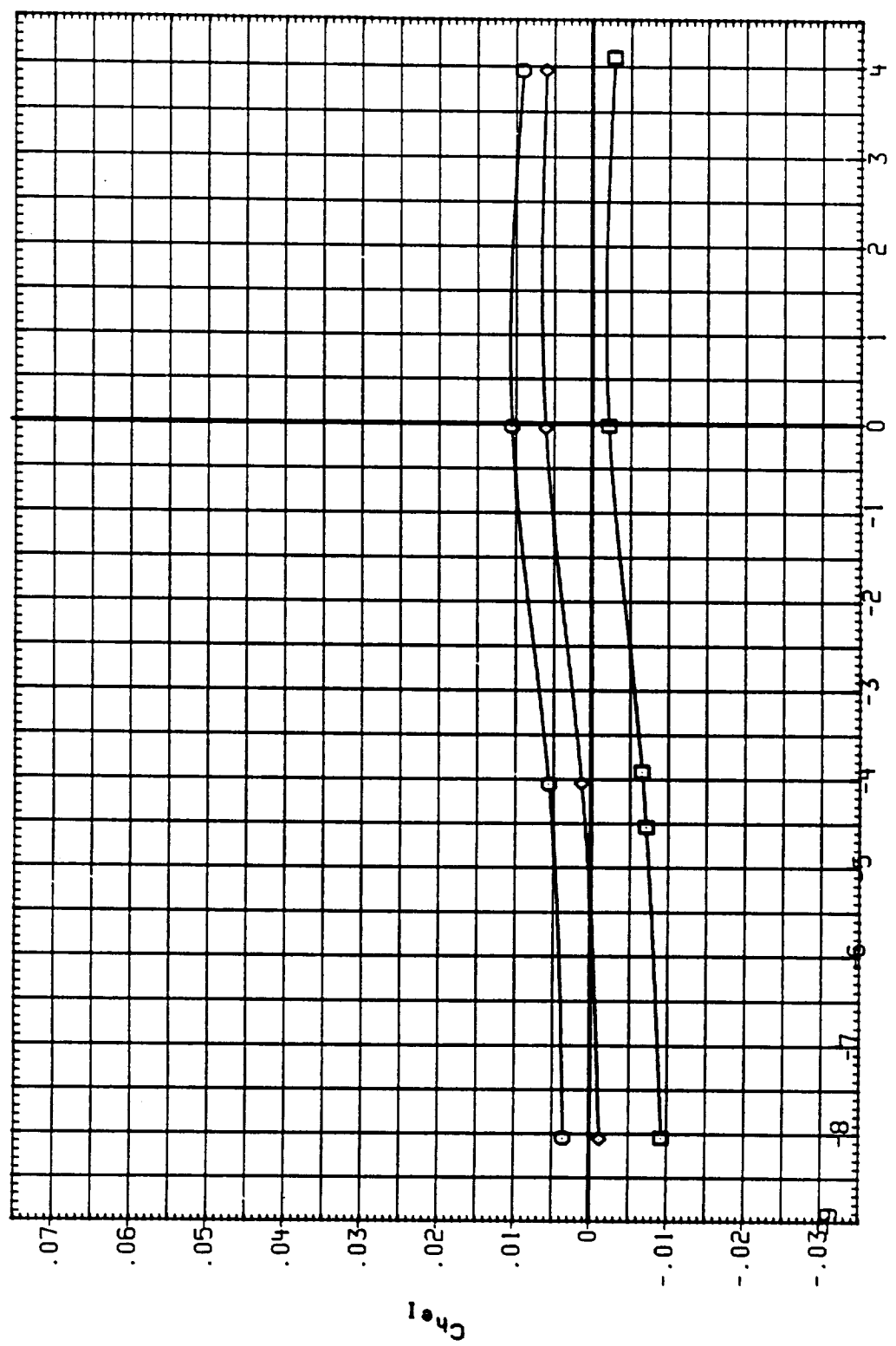


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0003	1A613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2	.900	TOP	10.000	5.000
SC0004	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2	.900	TOP	10.000	9.000
SC0061	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2	.900	TOP	10.000	5.000

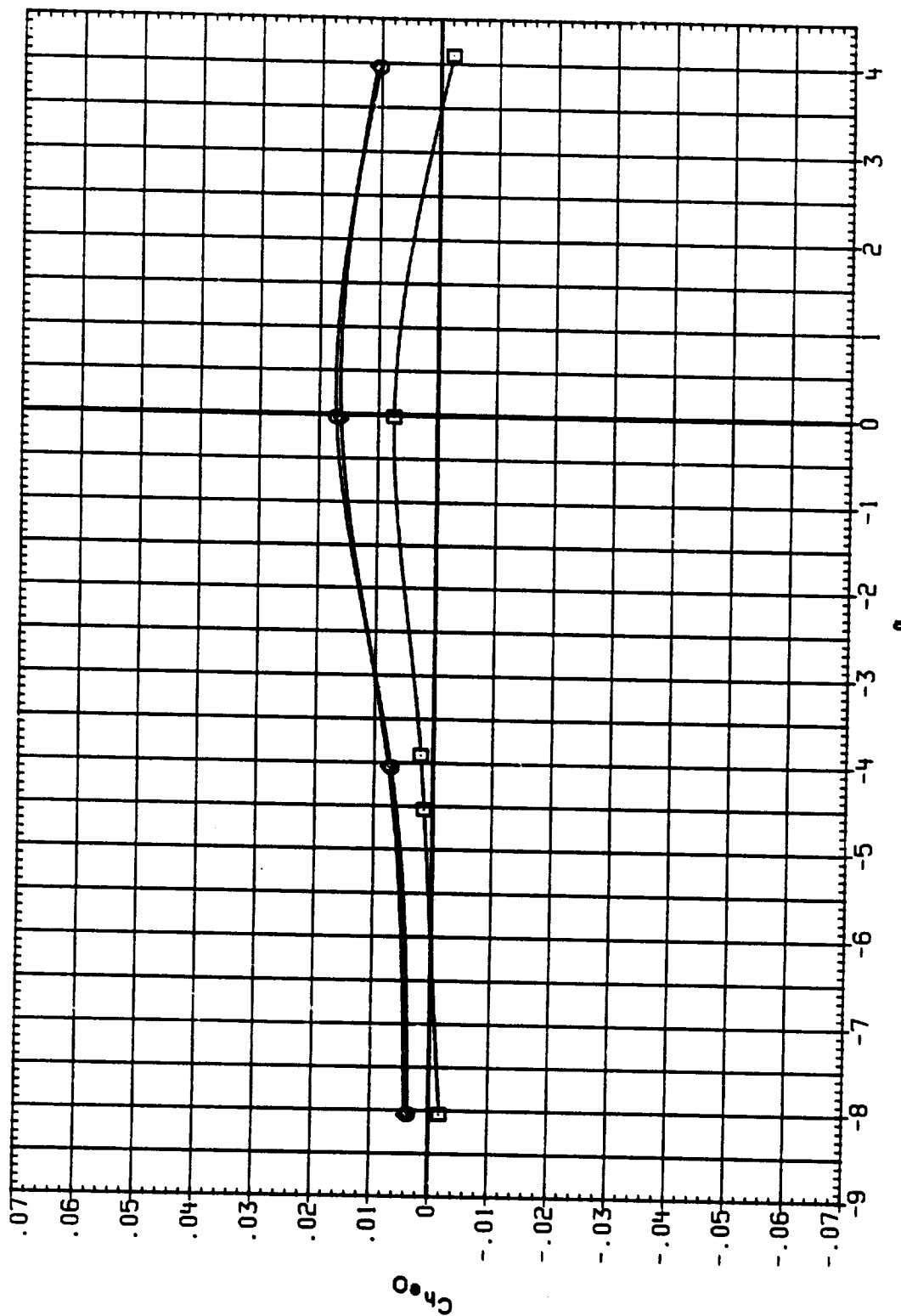


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	OB-ELV
SC0003	1A613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.2	.900	TOP	10.000	5.000
SC0044	1A613A1AEDC 16TF-829) B/L OT + ASRH+FLUES S1.2	.900	TOP	10.000	9.000
SC0061	1A613A1AEDC 16TF-829) B/L OT + ASRH+FLUES S1.2	.900	TOP	10.000	5.000

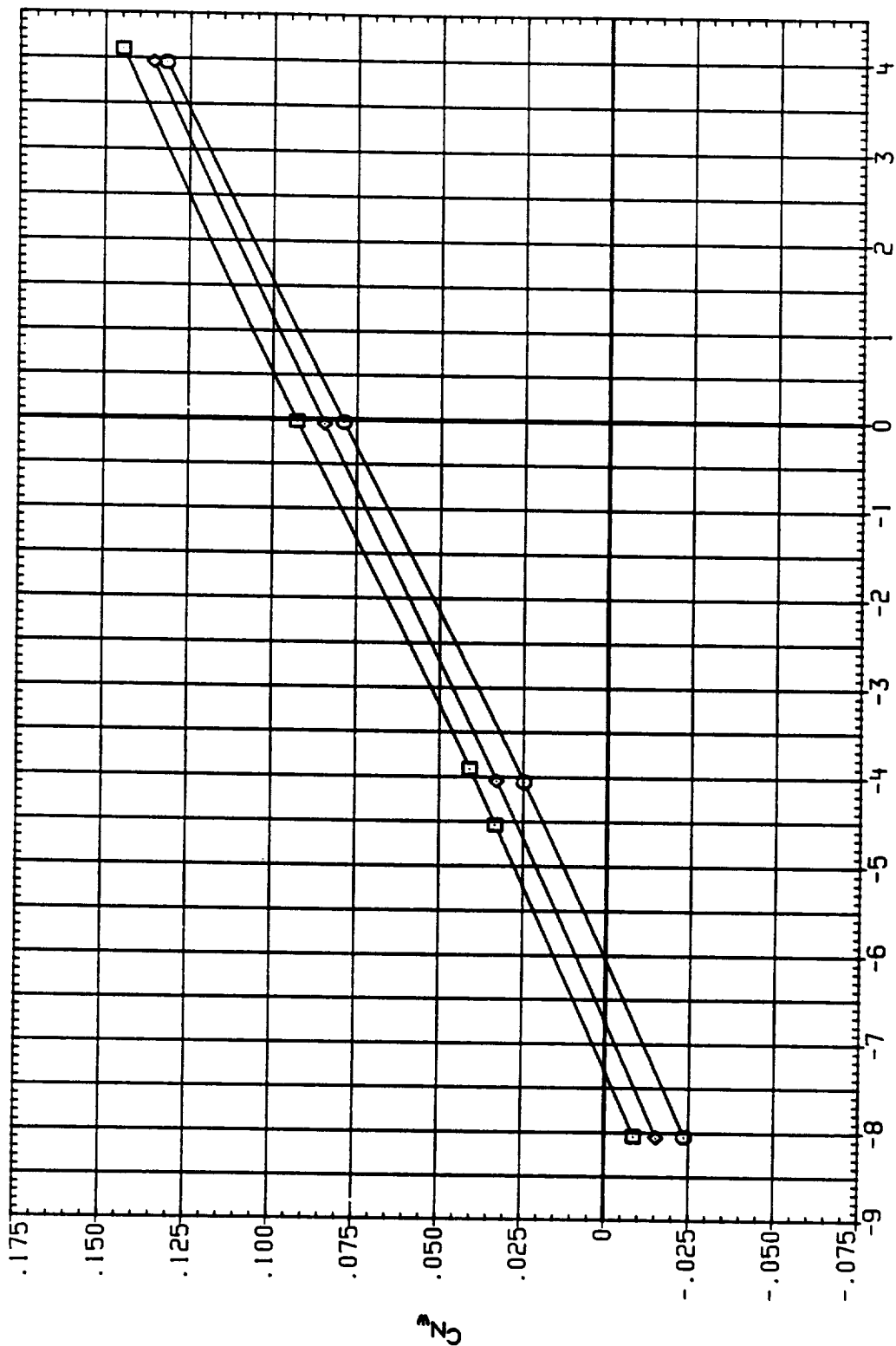


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0023
SC0044
SC0061

□
□
◇

CONFIGURATION

IAS13A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUKES S1.2
IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUKES S1.2

MACH

.900
.900
.900

ICABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
5.000
5.000

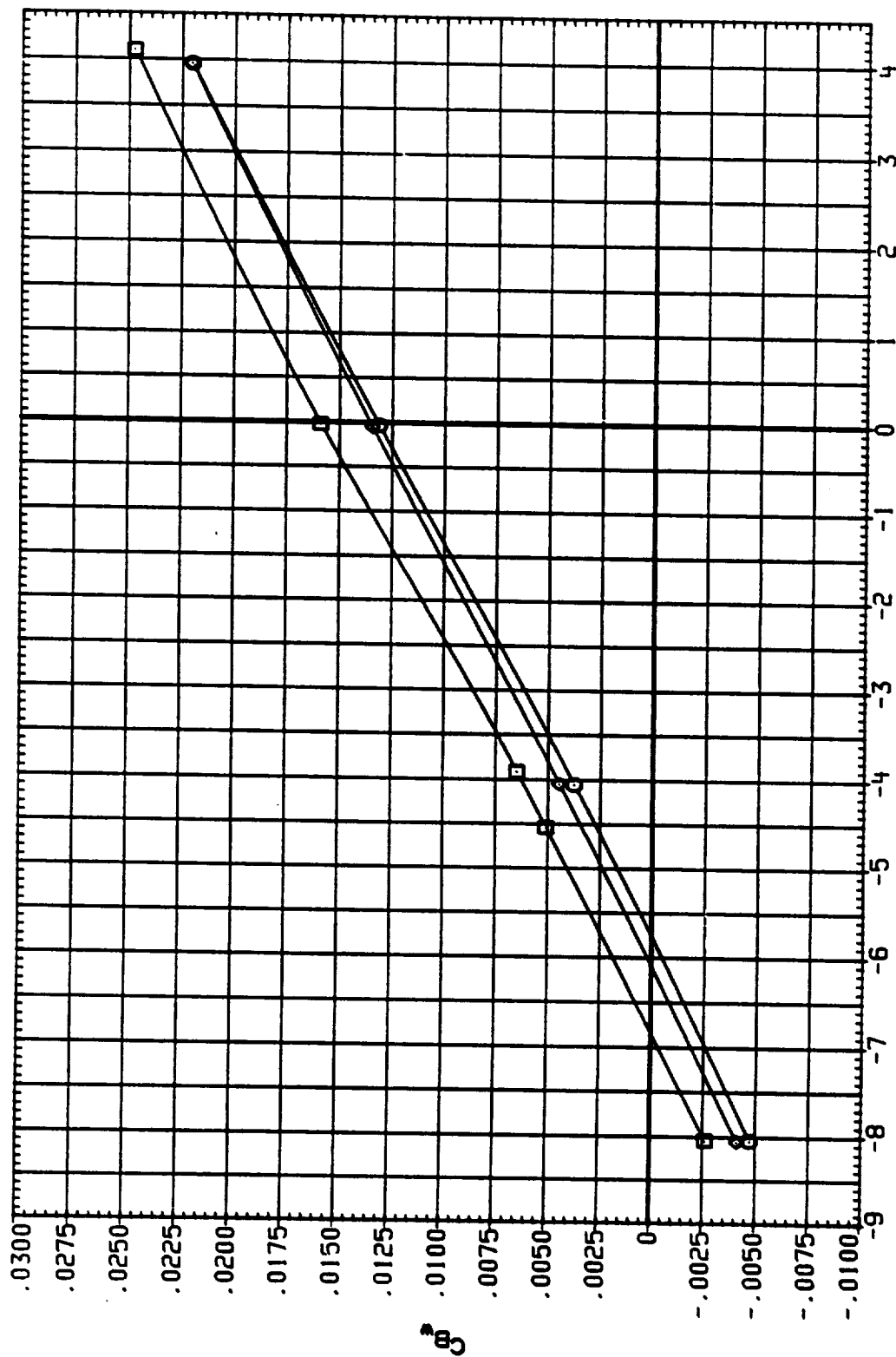


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0003	□	IA613A1AEDC	161F-829) OT (MIRROR)	ASRH + S1.2	.900	TOP	10.000	5.000			
SC0044	□	IA613A1AEDC	161F-829) B/L OT + ASRM+PLUMES	S1.2	.900	TOP	10.000	5.000			
SC0061	◇	IA613A1AEDC	161F-829) B/L OT + ASRM+PLUMES	S1.2	.900	TOP	10.000	5.000			

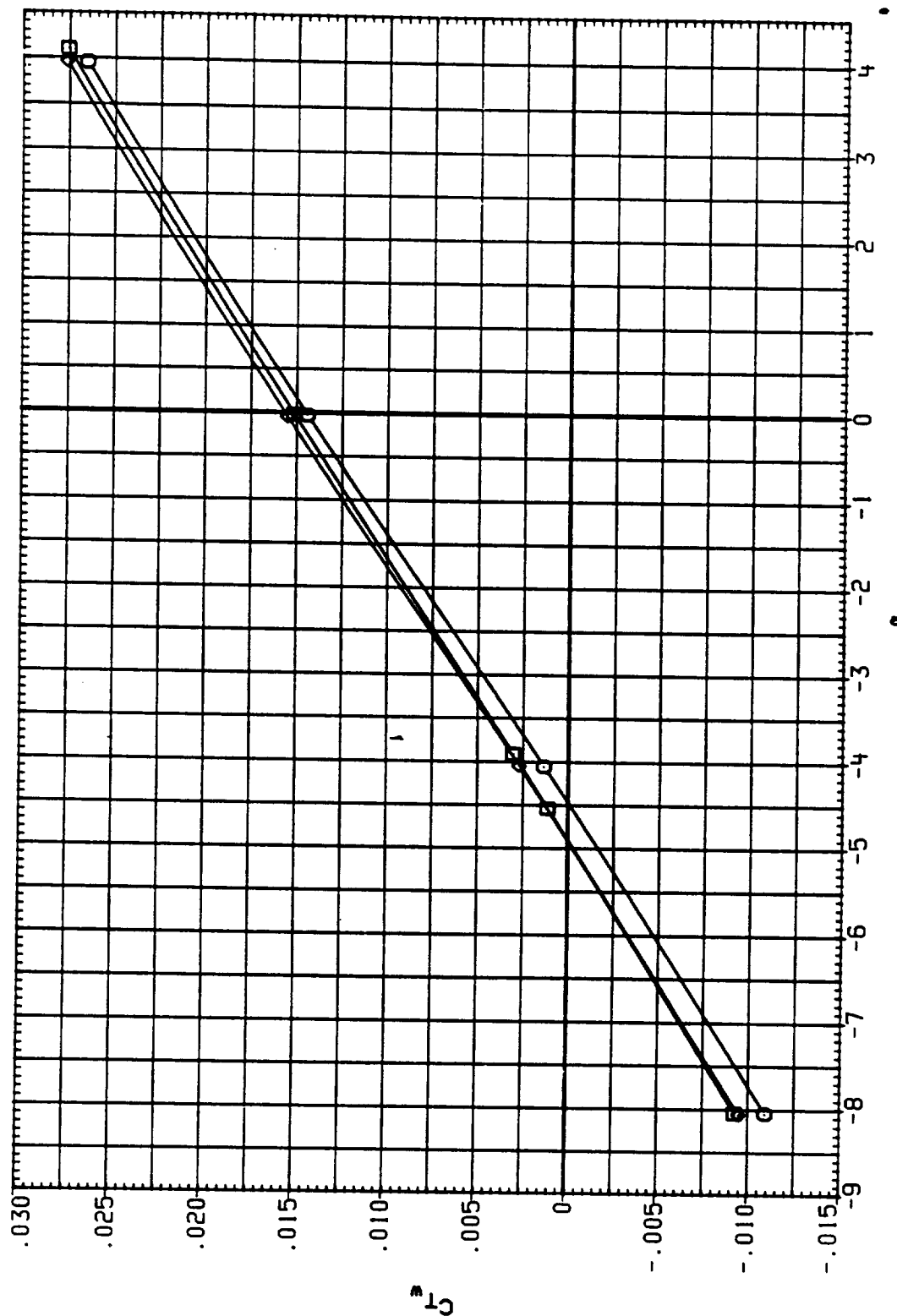


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0004
SC0005



CONFIGURATION

14613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
14613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

.950
.950

IE4BOX

TOP
TOP

IB-ELV

10.000
10.000

CB-ELV

5.000
9.000

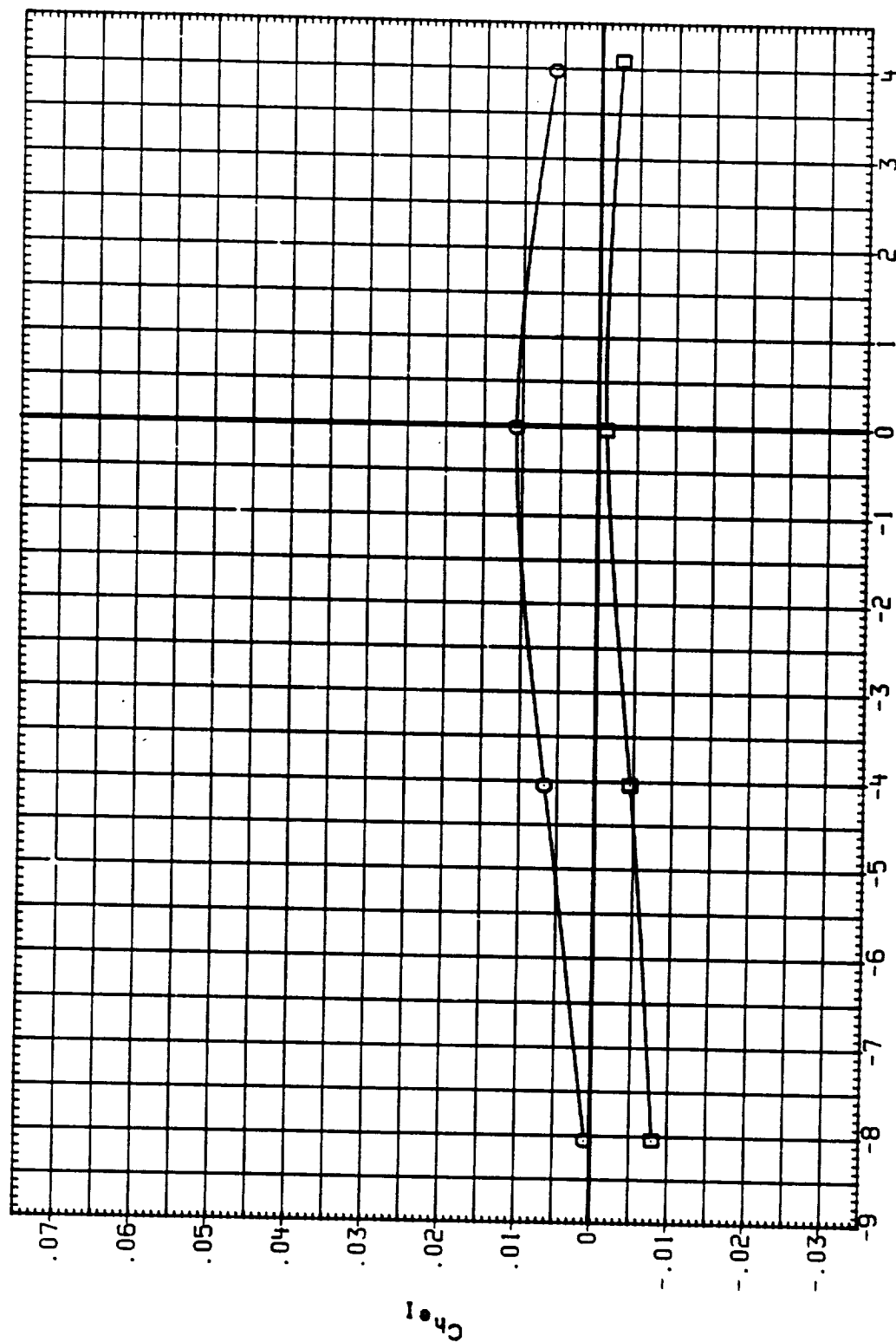


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00D4
SC0045

CONFIGURATION

1A613A1AEDC 16TF-829) OT (MIRROR) + ASRH + 51.2
1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES 51.2

MACH

.950
.950

IEABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

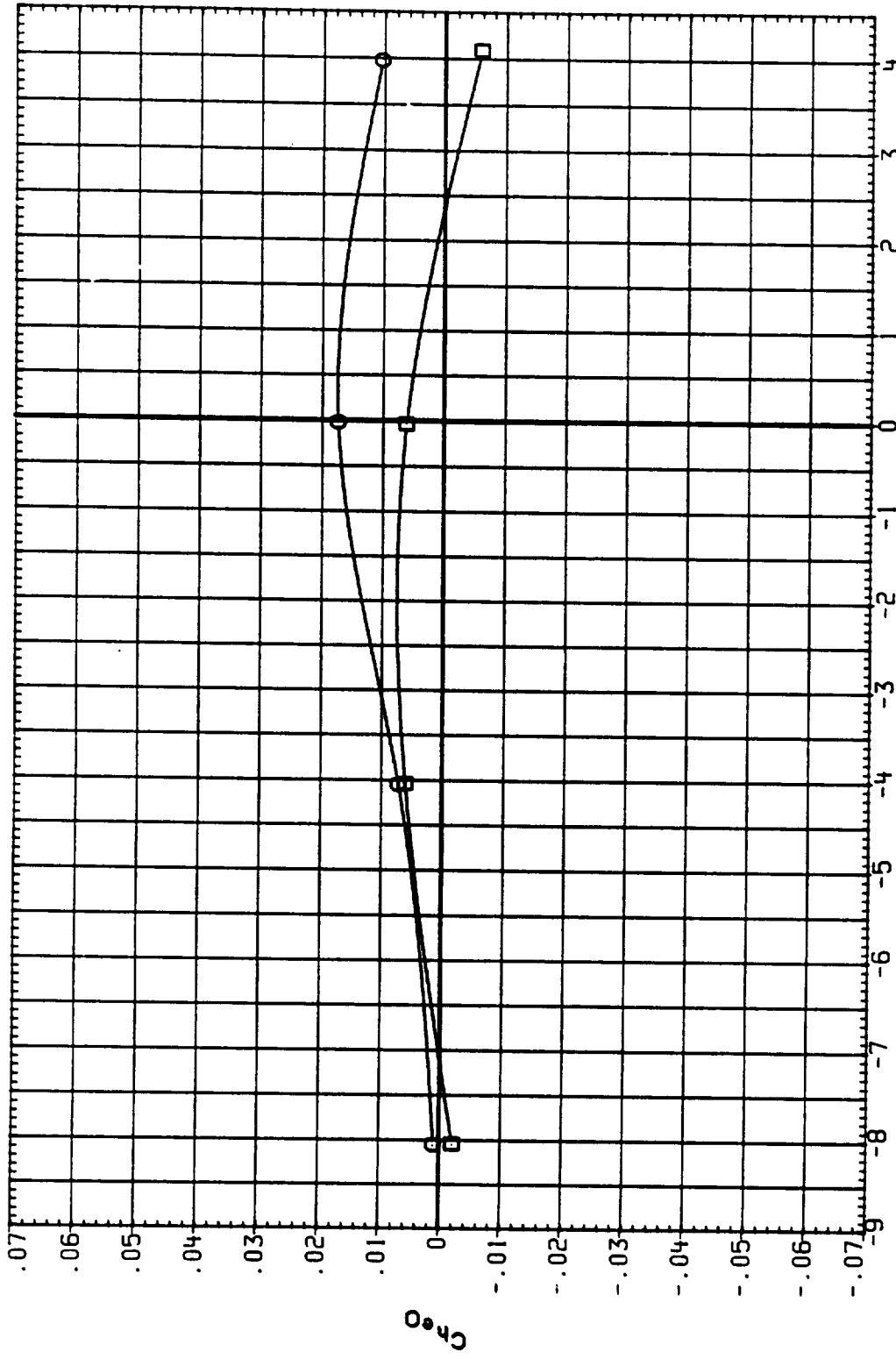


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV
 SC0004 (A613A/AEDC 161F-829) OT (MIRROR) * ASRM * 51.2 .950 TOP 10.000 5.000
 SC0005 (A613A/AEDC 161F-829) B/L OT * ASRM*PLUMES 51.2 .950 TOP 10.000 9.000

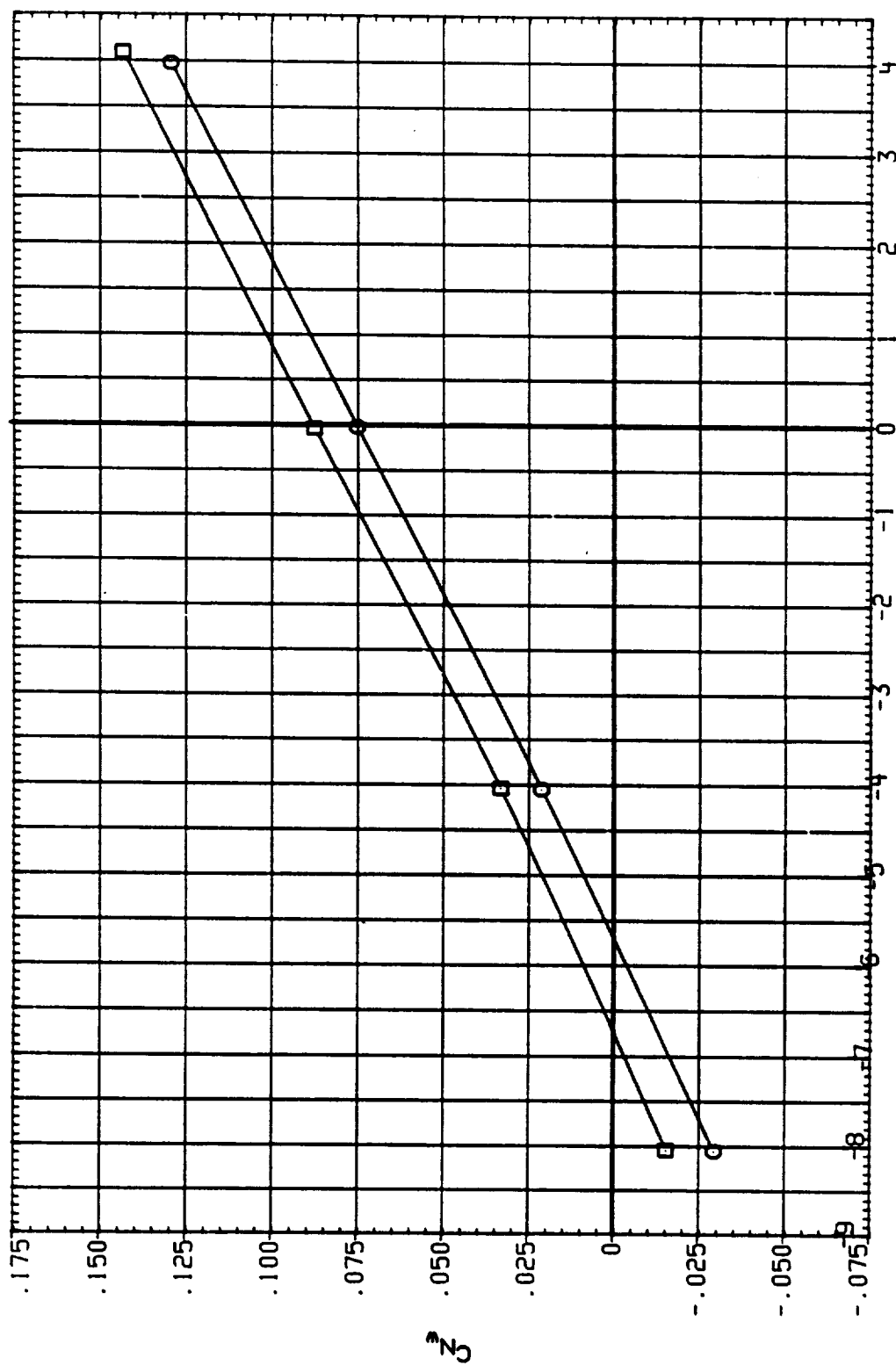


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0004
SC0005

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2

MACH

.950
.950

ICABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

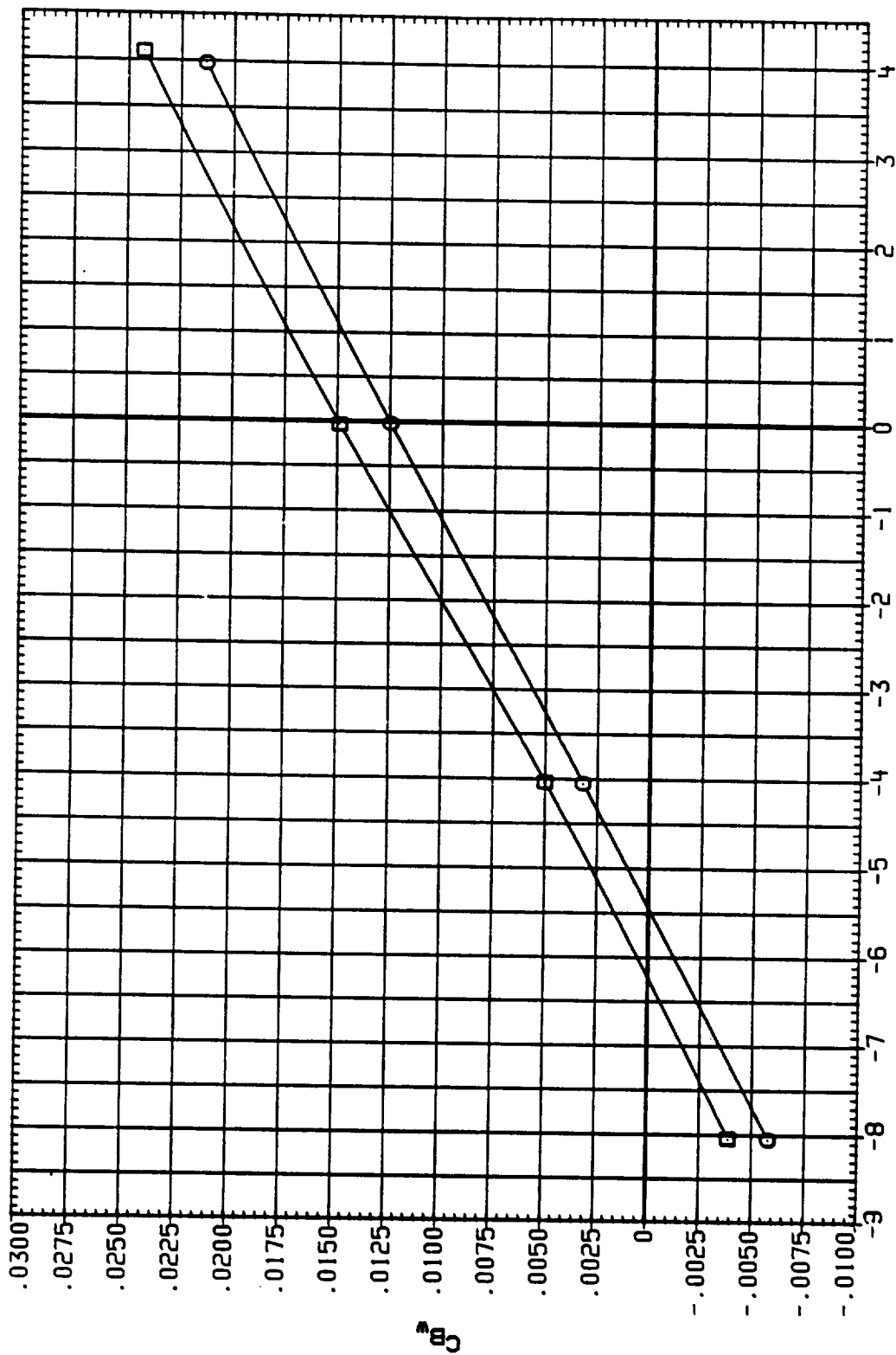


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH ICABOX IB-ELV OB-ELV

SC0004 1A613A(AEDC 16TF-829) OT (MIRROR) + ASRH + 51.2 .950 TOP 10.000 5.000

SC0005 1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUNES 51.2 .950 TOP 10.000 9.000

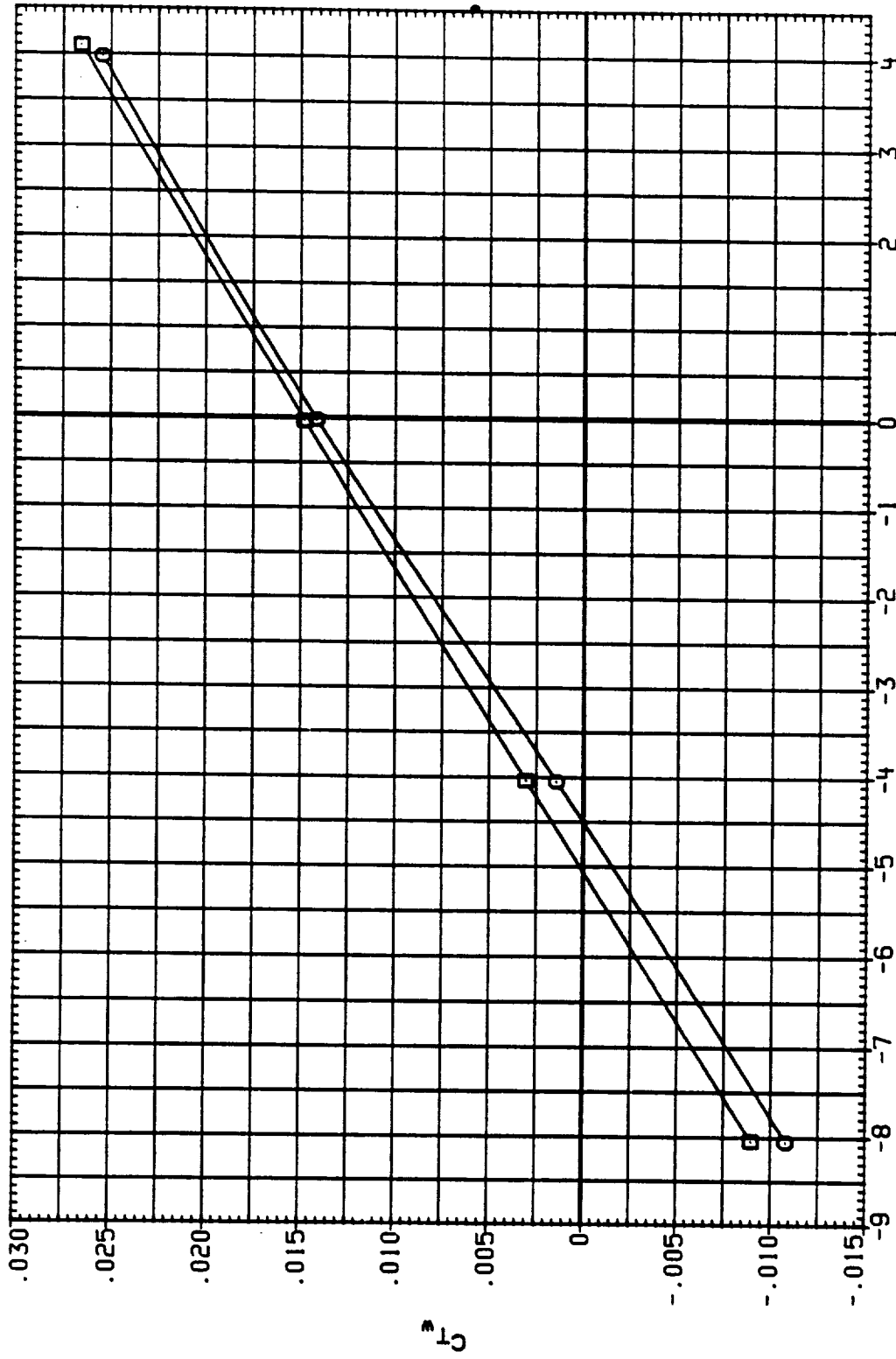


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0005
SC0046

CONFIGURATION

1A613A(AEDC 16TF-829) OT (MIRROR) + ASRH + S1.2
1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2

MACH
1.050
1.050

ICABOX
TOP
TOP

IB-ELV
10.000
10.000

OB-ELV
5.000
9.000

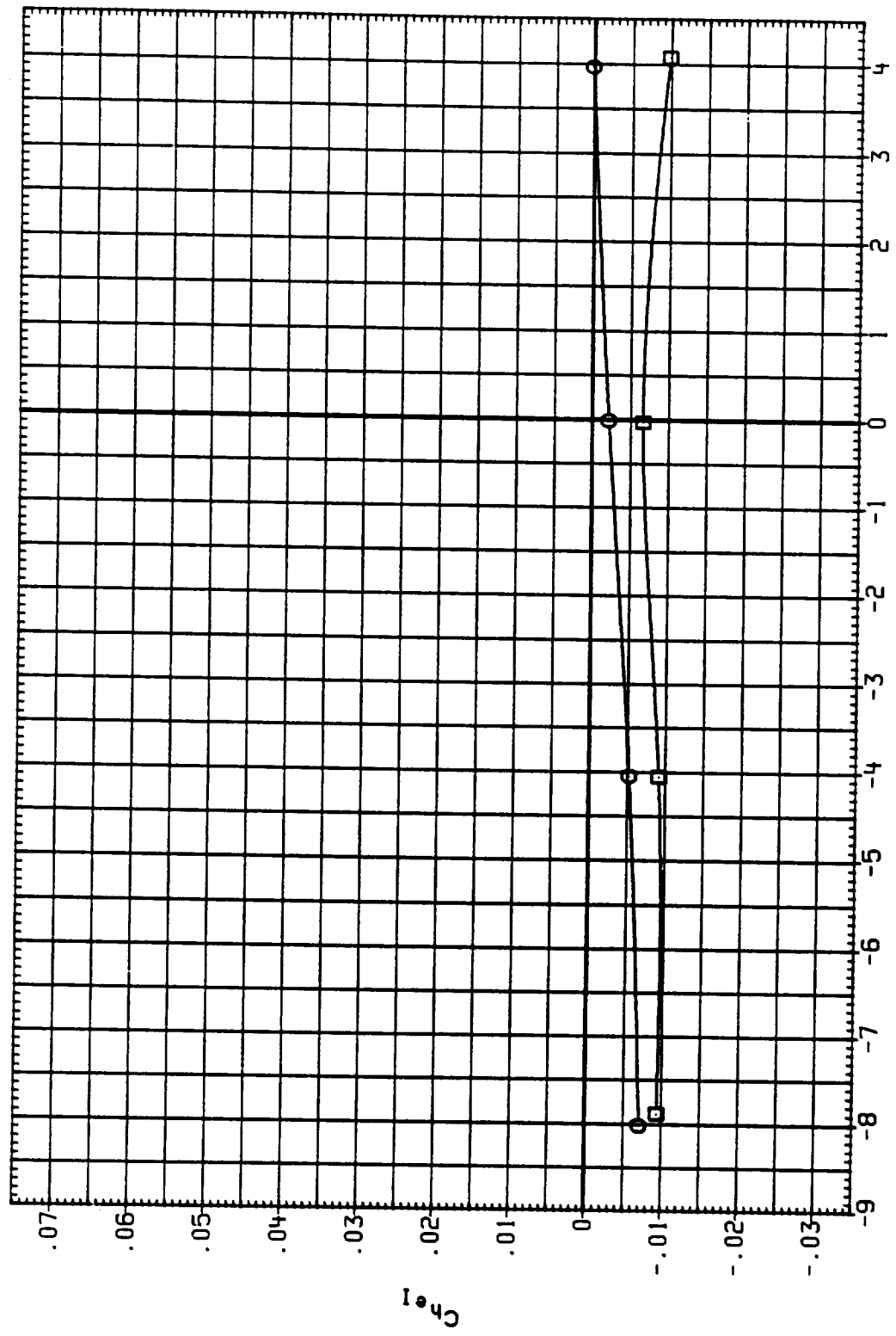


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0005
SC0006

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.050
1.050

IEABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

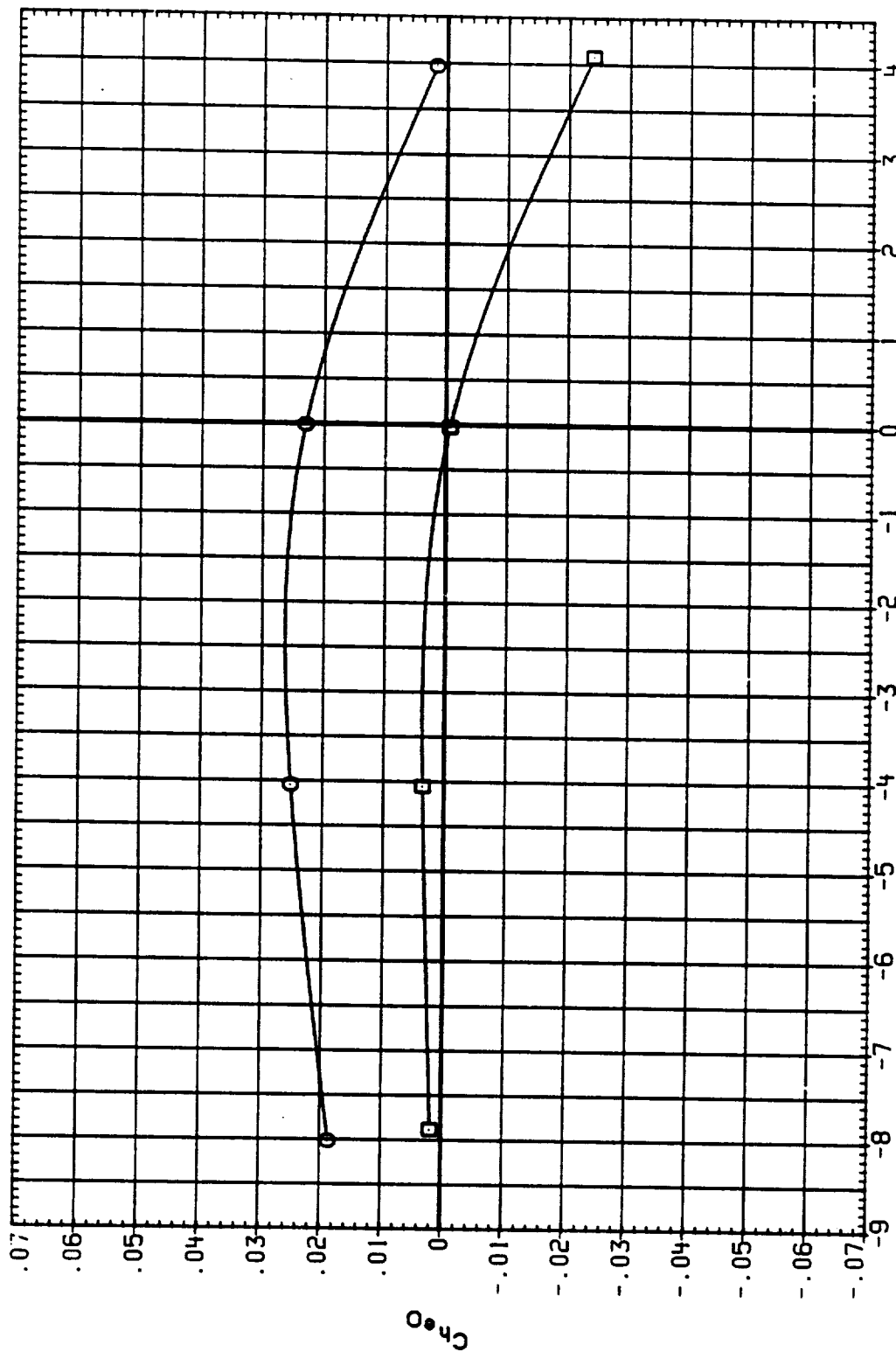


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0005
SC0046

□

CONF IGURATION

1:5131A(EDC 16:F-829) OT (MIRROR) + ASRM + S1.2
1:5131A(EDC 16:F-829) B/L OT + ASRM+PLUNES S1.2

MACH

1.050
1.050

ICABOX

TOP
TOP

1B-ELV

10.000
10.000

OB-ELV

5.000
9.000

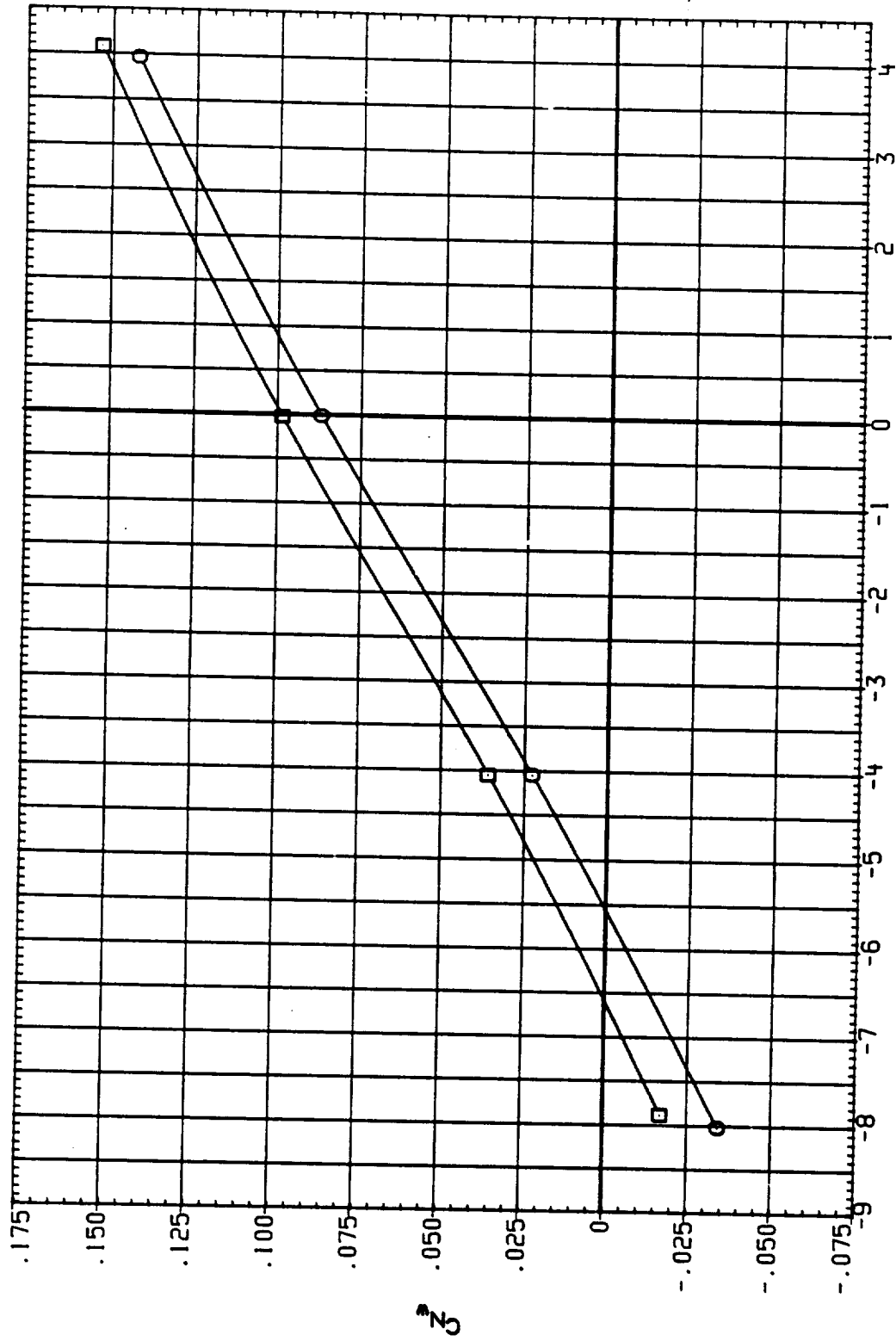


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IE/BOX IB-ELV OB-ELV
 SC0005 1:513A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 1.050 TOP 10.000 5.000
 SC0006 1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 1.050 TOP 10.000 9.000

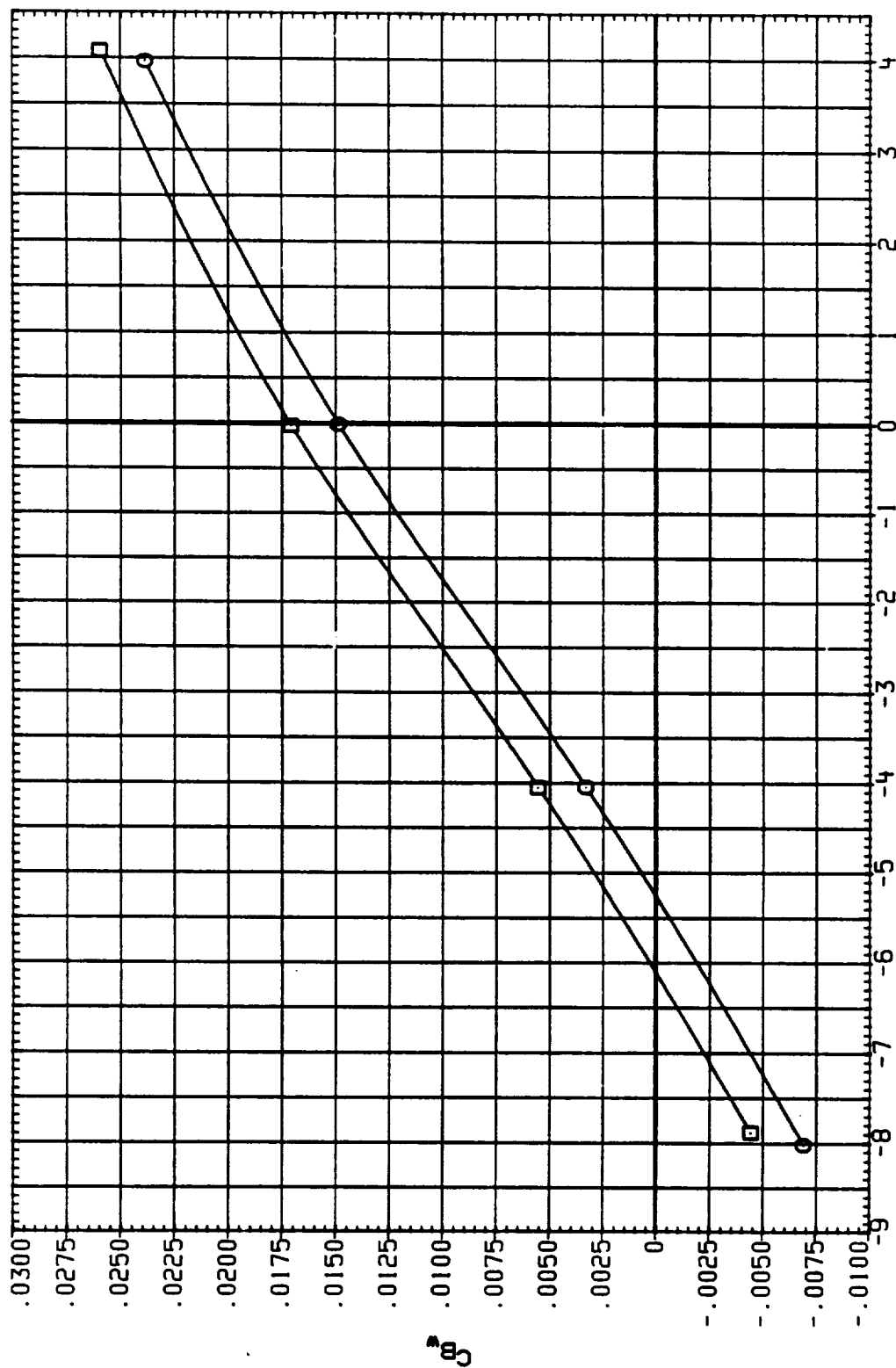


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0005
SC0006



CONFIGURATION

1A613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.050
1.050

1EABOX

TOP
TOP

1B-ELV

10.000
10.000

OB-ELV

5.000
9.000

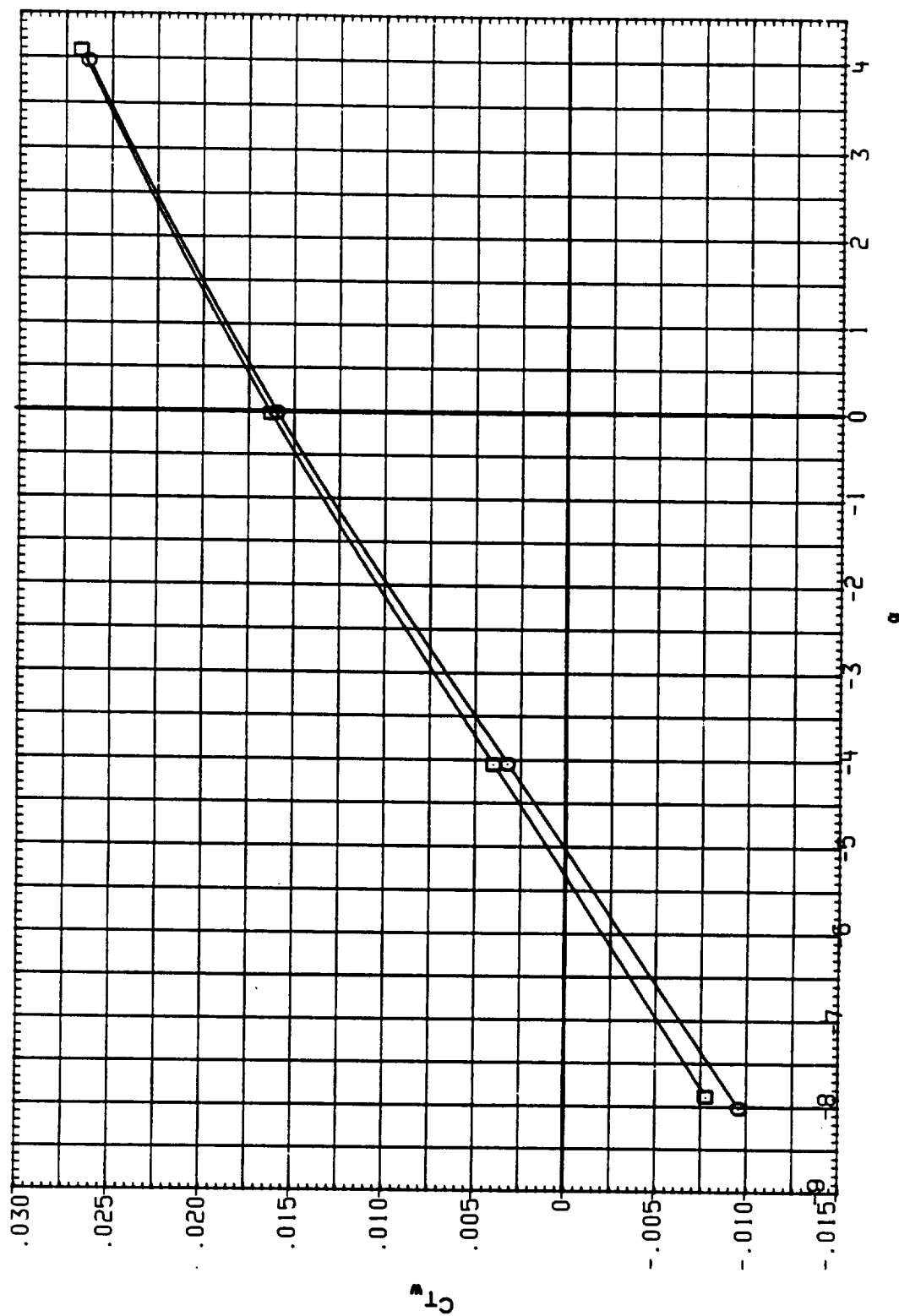


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0006	1A613A1AEDC 16TF-8291 OT (MIRROR) + ASRM + S1.2	1.100	TOP	10.000	5.000
SC0007	1A613A1AEDC 16TF-8291 B/L OT + ASRM+PLUNES S1.2	1.100	TOP	10.000	9.000
SC0062	1A613A1AEDC 16TF-8291 B/L OT + ASRM+PLUNES S1.2	1.100	TOP	10.000	5.000

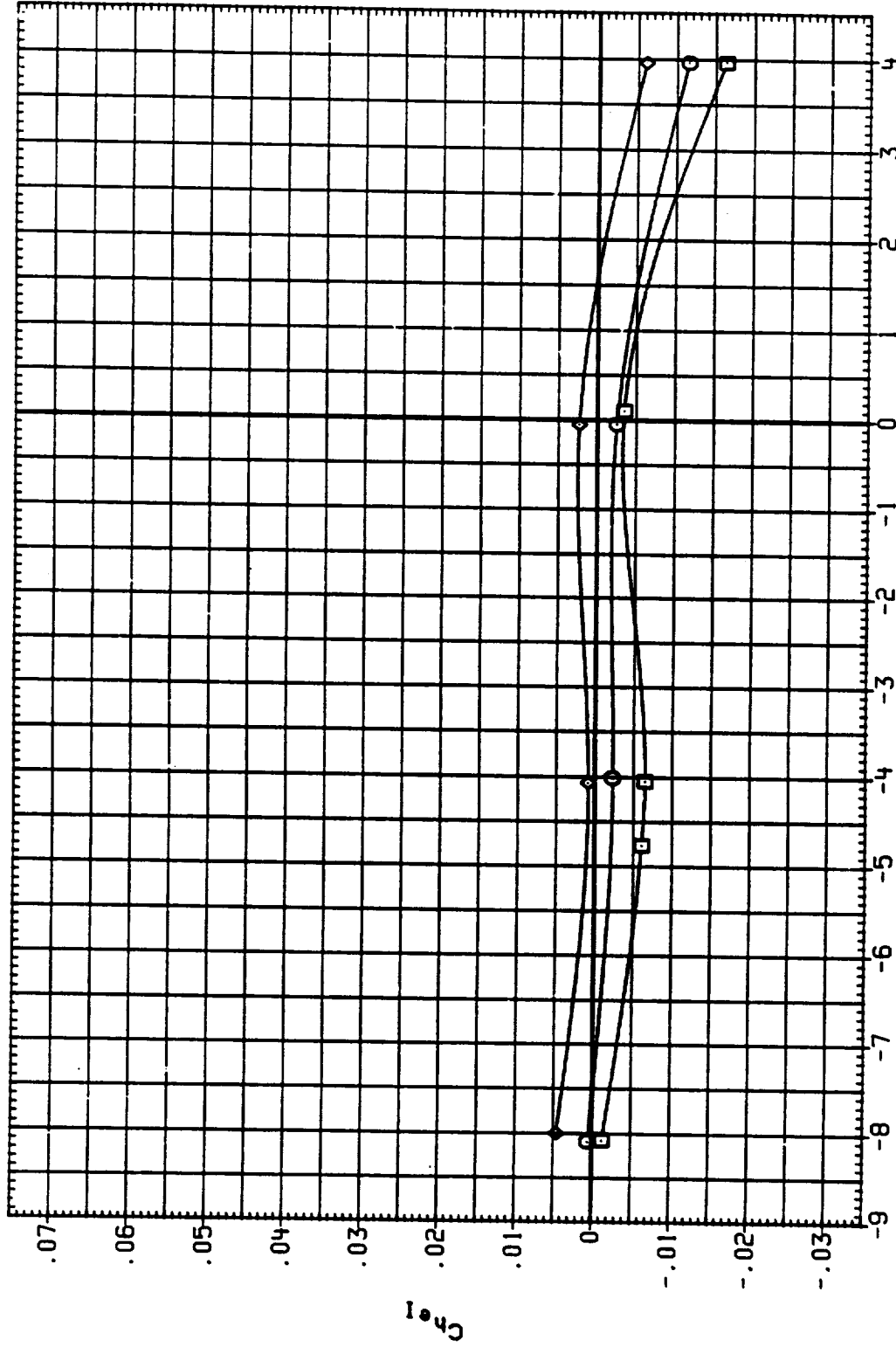


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0006
 SC0007
 SC0062

CONFIGURATION
 IAB13A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.2
 IAB13A1AEDC 16TF-829) B/L OT + ASRH+PLUNES S1.2
 IAB13A1AEDC 16TF-829) B/L OT + ASRH+PLUNES S1.2

MACH
 1.100
 1.100
 1.100

ICABOX
 TOP
 TOP
 TOP

IB-ELV
 10.000
 10.000
 10.000

OB-ELV
 5.000
 9.000
 5.000

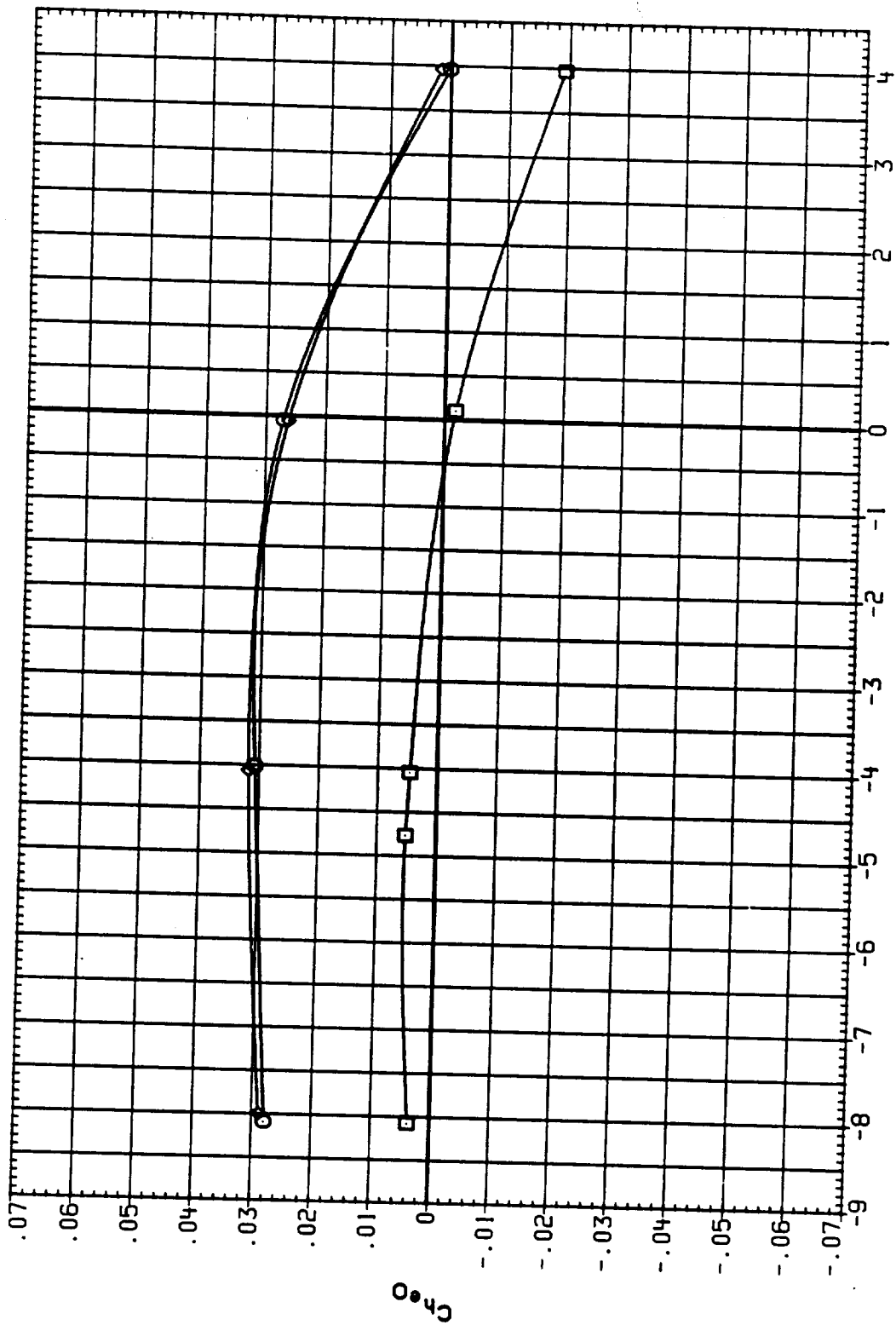


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0006	IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2	1.100	TOP	10.000	5.000
SC0047	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLINES S1.2	1.100	TOP	10.000	9.000
SC0062	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLINES S1.2	1.100	TOP	10.000	5.000

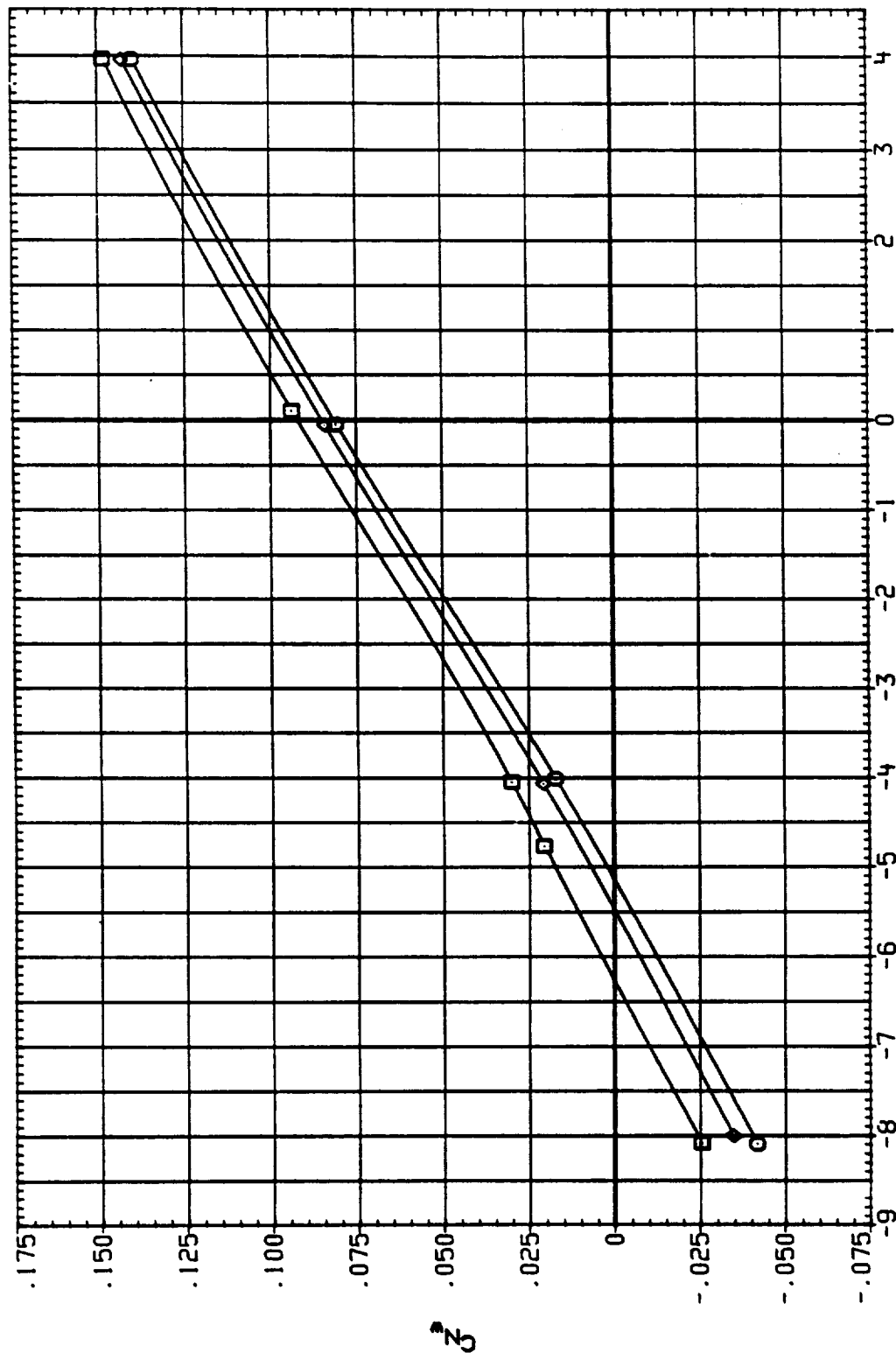


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0006
SC0047
SC0062

CONFIGURATION

IA6:3A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
IA6:3A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
IA6:3A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.100
1.100
1.100

ICABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

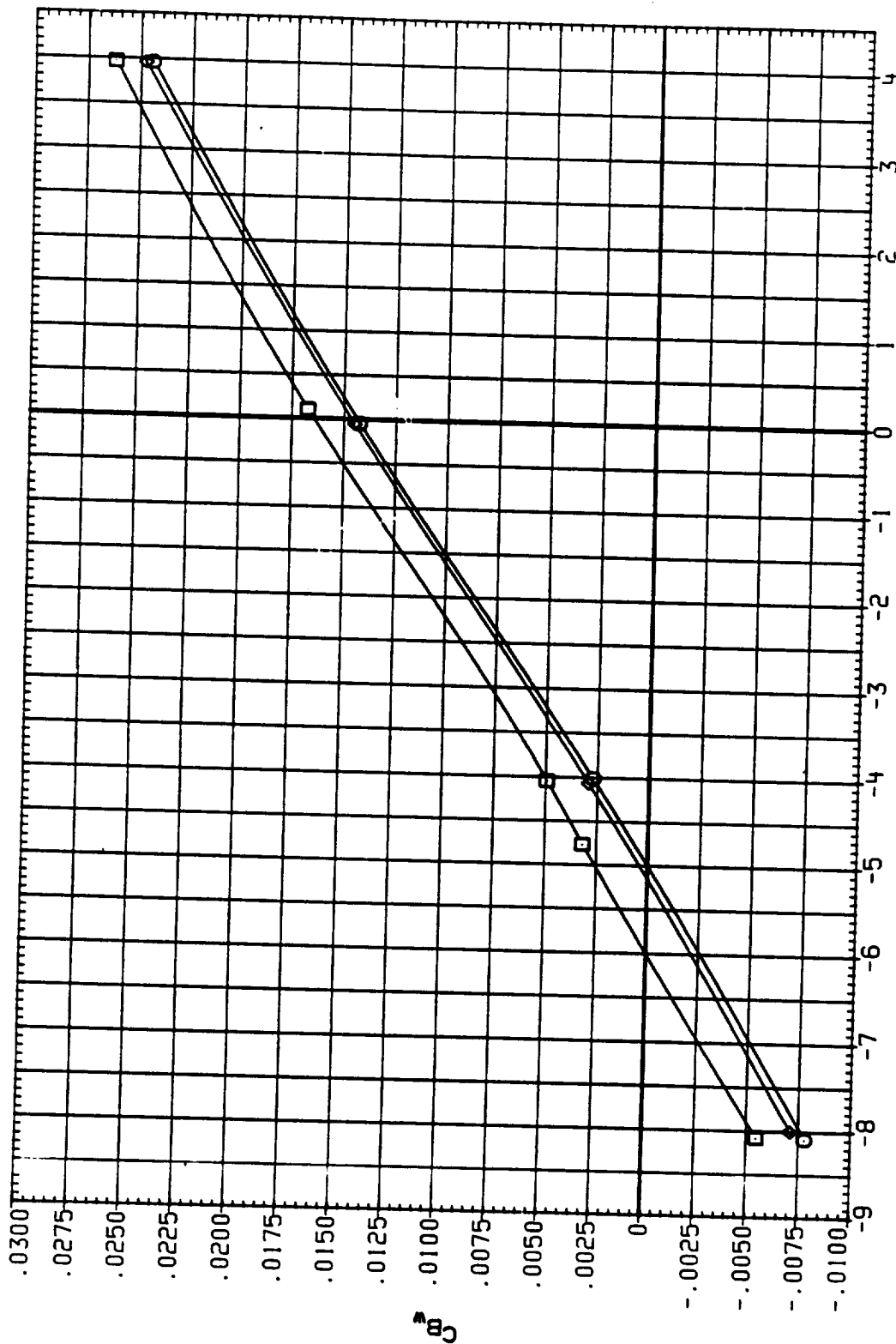


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0006	IAE13A1AEDC 161F-8291 OT (MIRROR) + ASRH + S1.2	1.100	TOP	10.000	5.000
SC0007	IAE13A1AEDC 161F-8291 B/L OT + ASRH+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0062	IAE13A1AEDC 161F-8291 B/L OT + ASRH+PLUMES S1.2	1.100	TOP	10.000	5.000

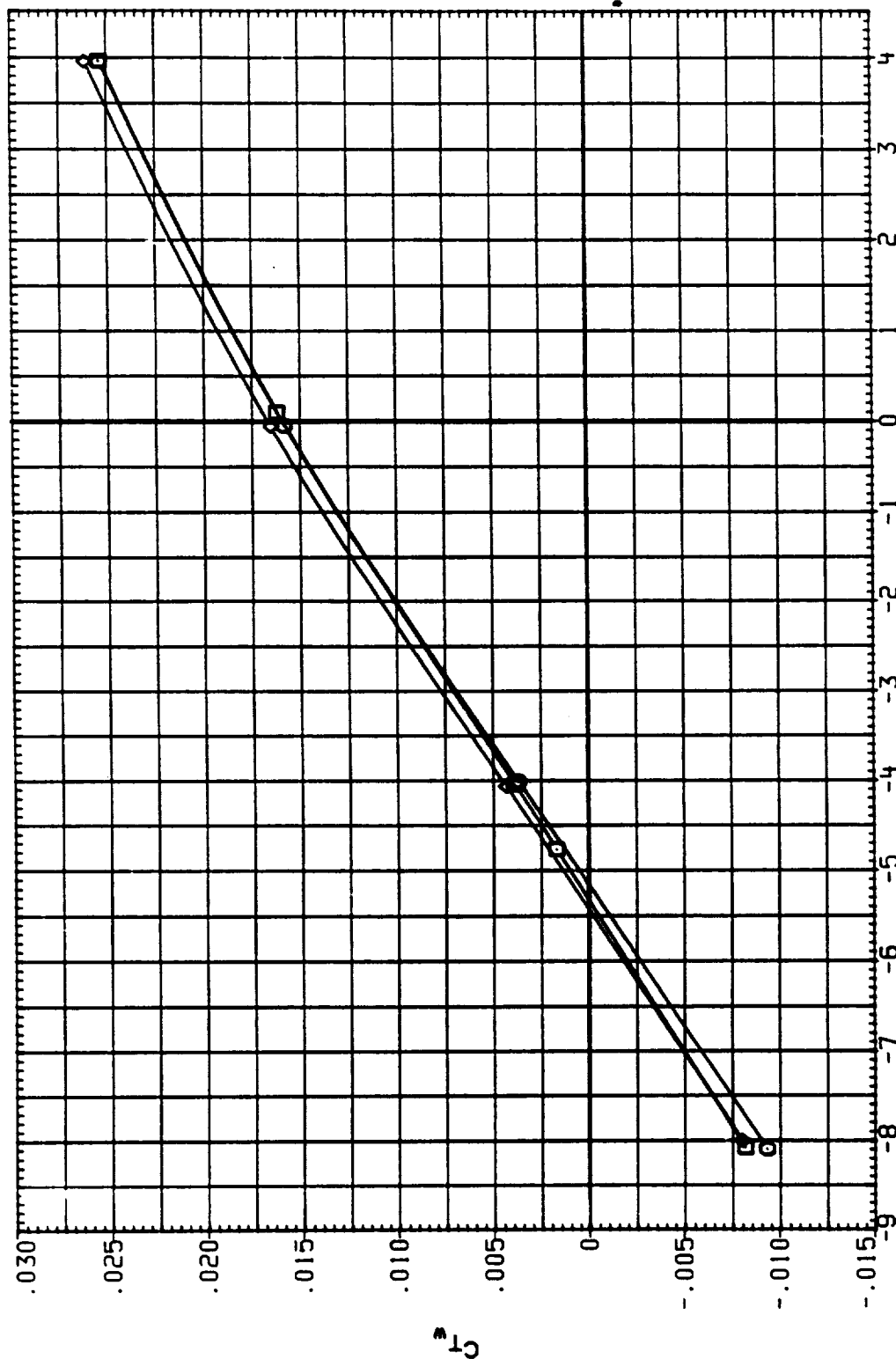


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC0007	□	IA613A(AEDC 16TF-829)	OT (MIRROR)	1.150	TOP	10.000	5.000				
SC0048	○	IA613A(AEDC 16TF-829)	B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000				
SC0063	◇	IA613A(AEDC 16TF-829)	B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	5.000				

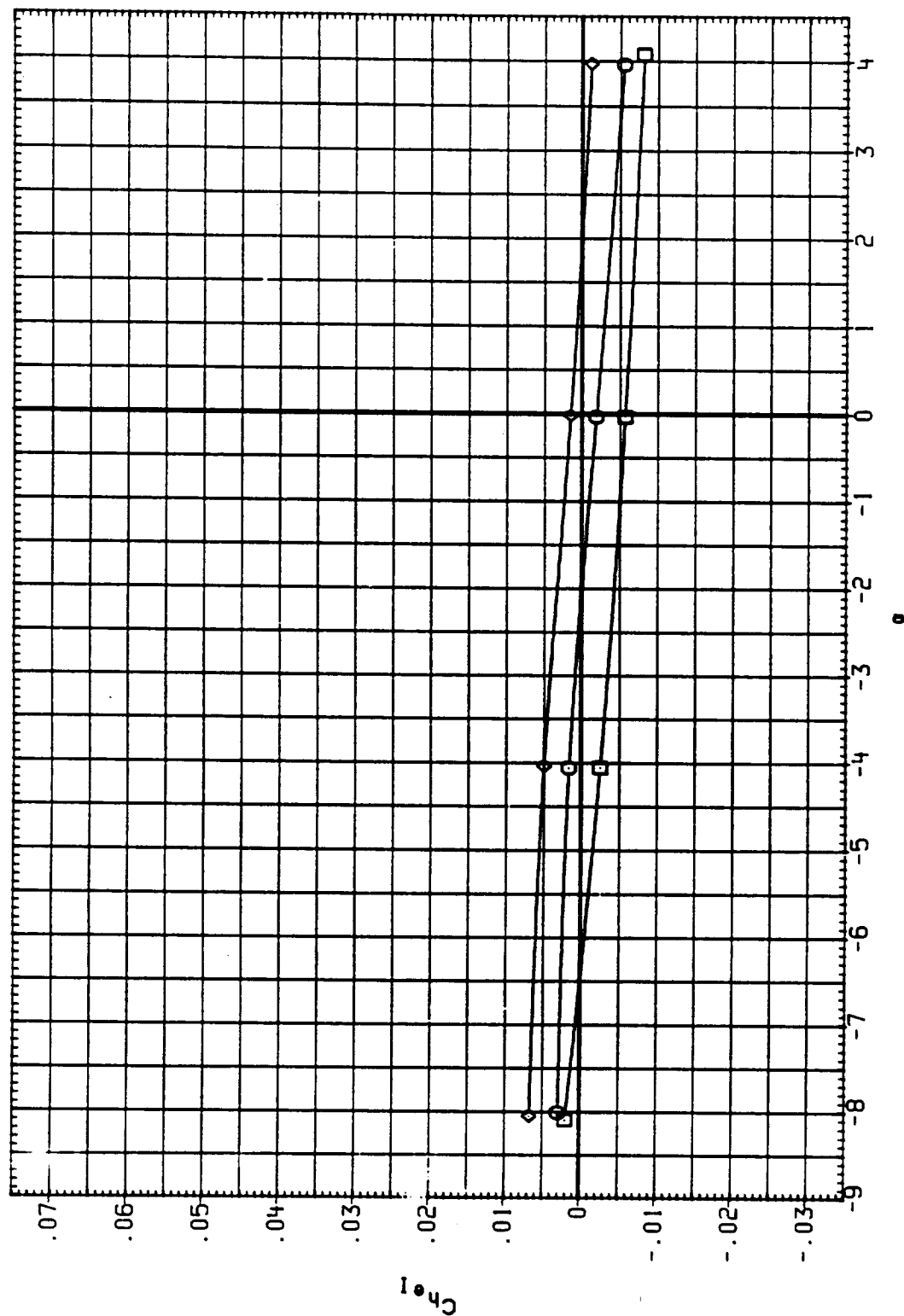


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH	IEABOX	IB-ELV	OB-ELV
SC0007	○	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.150	TOP	10.000	5.000	
SC0008	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000	
SC0063	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	5.000	

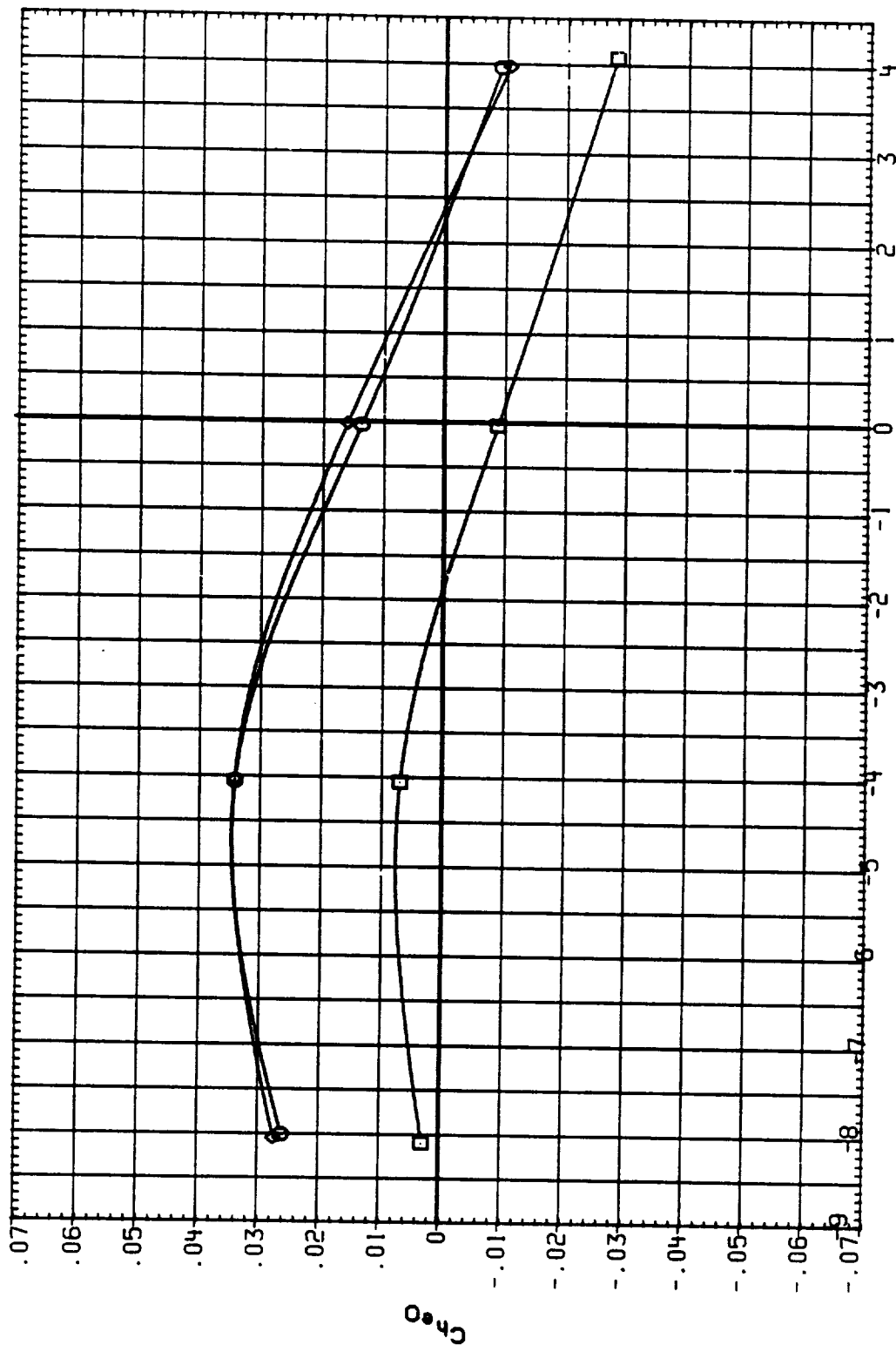


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH	IEABOX	IB-ELV	OB-ELV
SC0007	□	IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2		1.150	TOP	10.000	5.000
SC0048	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2		1.150	TOP	10.000	9.000
SC0083	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2		1.150	TOP	10.000	5.000

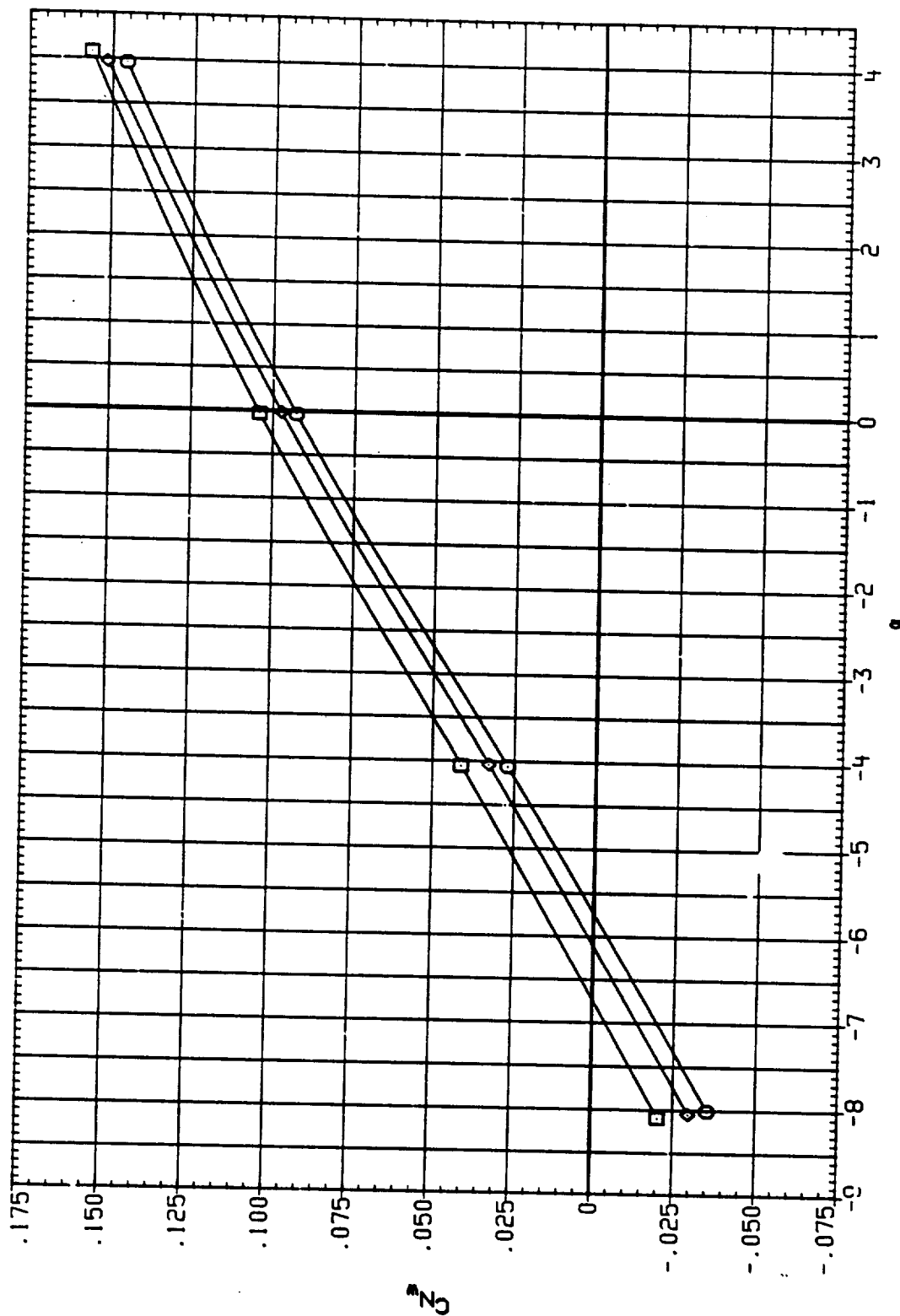


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	OB-ELV
SC0007	1A613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2	1.150	TOP	10.000	5.000
SC0008	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0063	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	5.000

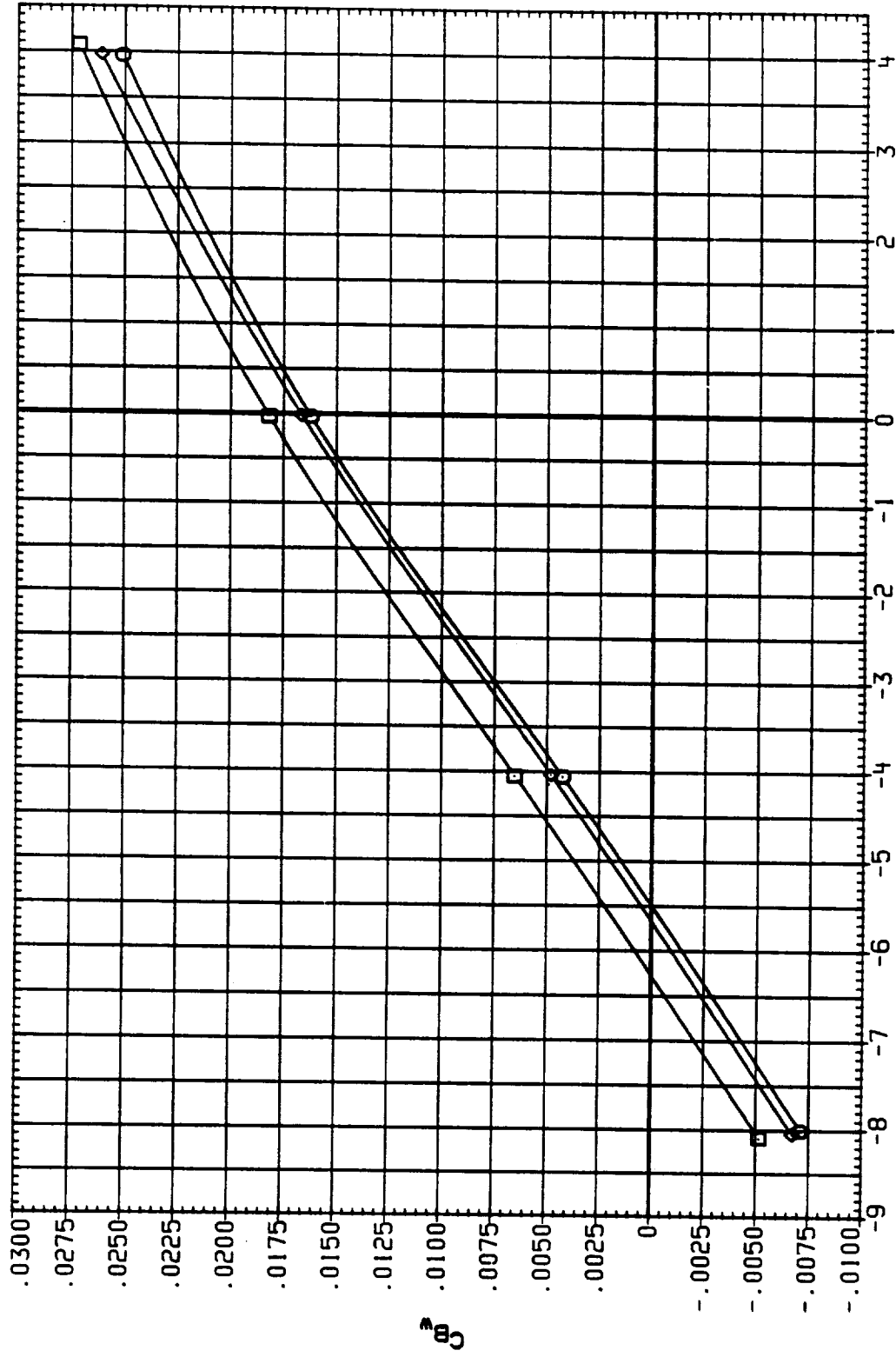


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0007
SC0048
SC0063

CONFIGURATION

1A613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH
1.150
1.150
1.150

IEABOX
TOP
TOP
TOP

IB-ELV
10.000
10.000
10.000

OB-ELV
5.000
9.000
5.000

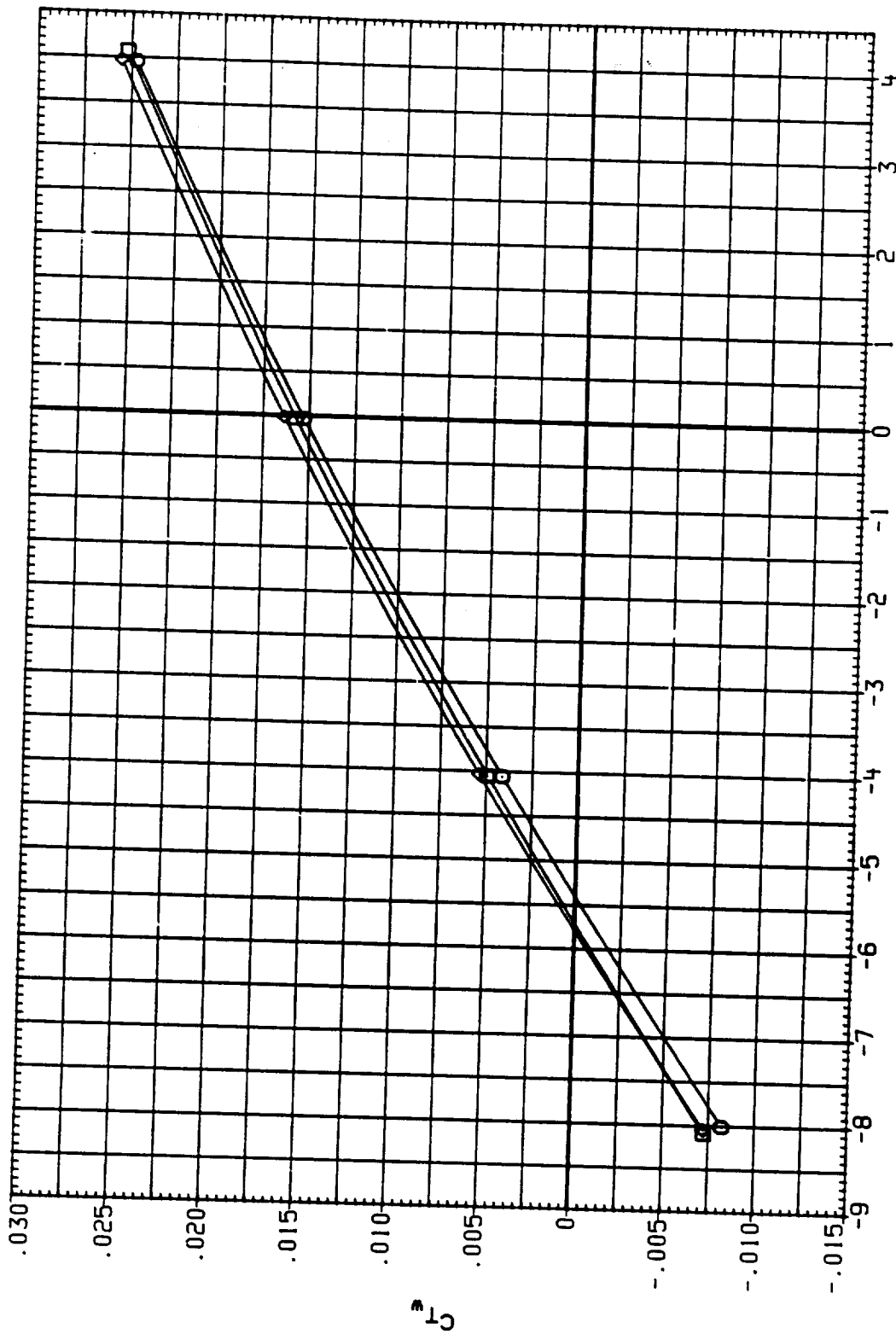


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0008	1A613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.250	TOP	10.000	5.000
SC0009	1A613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.250	TOP	10.000	5.000
SC0049	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.250	TOP	10.000	9.000
SC0053	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.3	1.250	TOP	10.000	5.000
SC0064	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.250	TOP	10.000	5.000

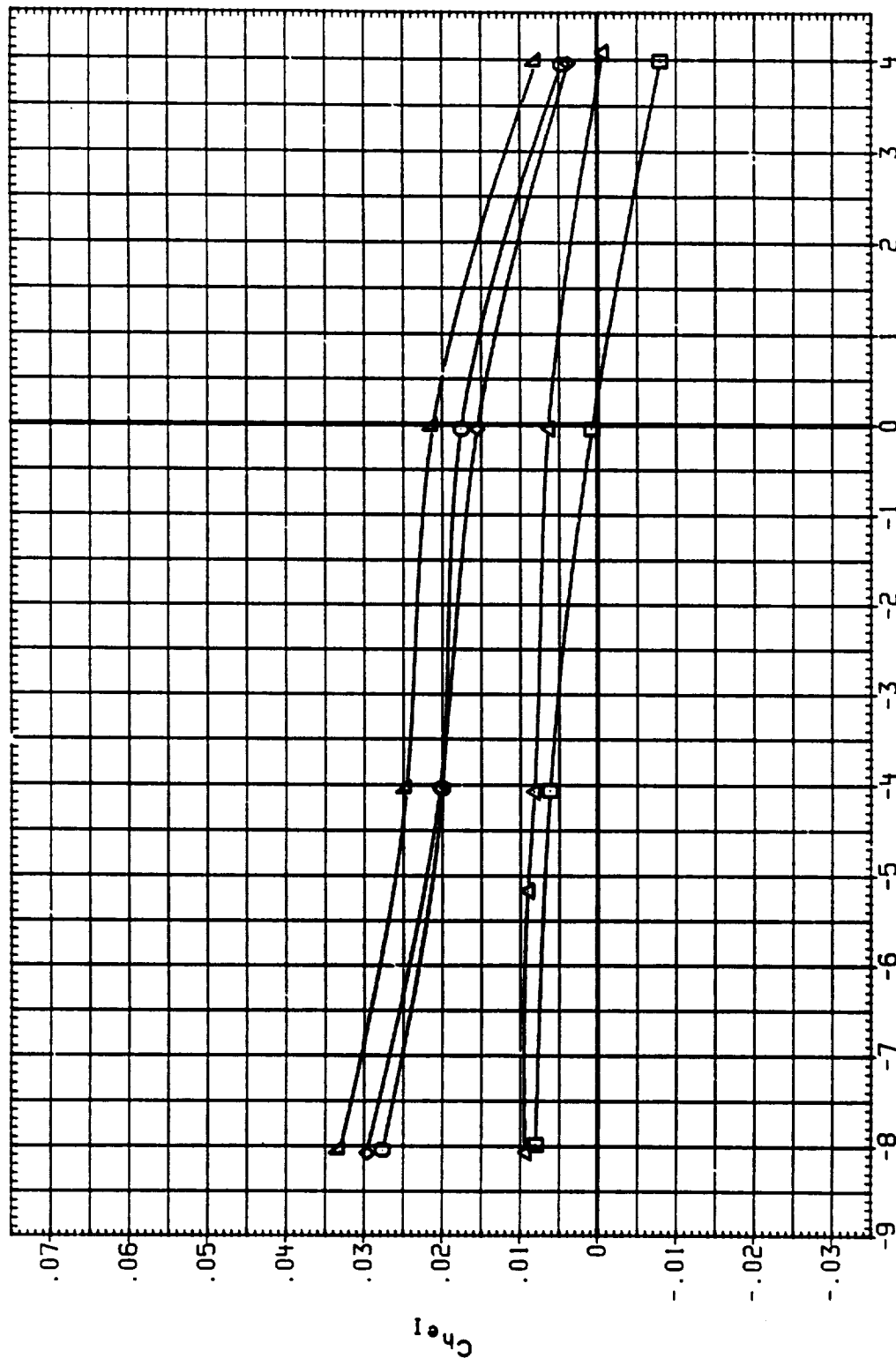


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0008	IA613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2	1.250	TOP	10.000	5.000
SC0009	IA613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3	1.250	TOP	10.000	5.000
SC0049	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0053	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.250	TOP	10.000	5.000
SC0064	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	5.000

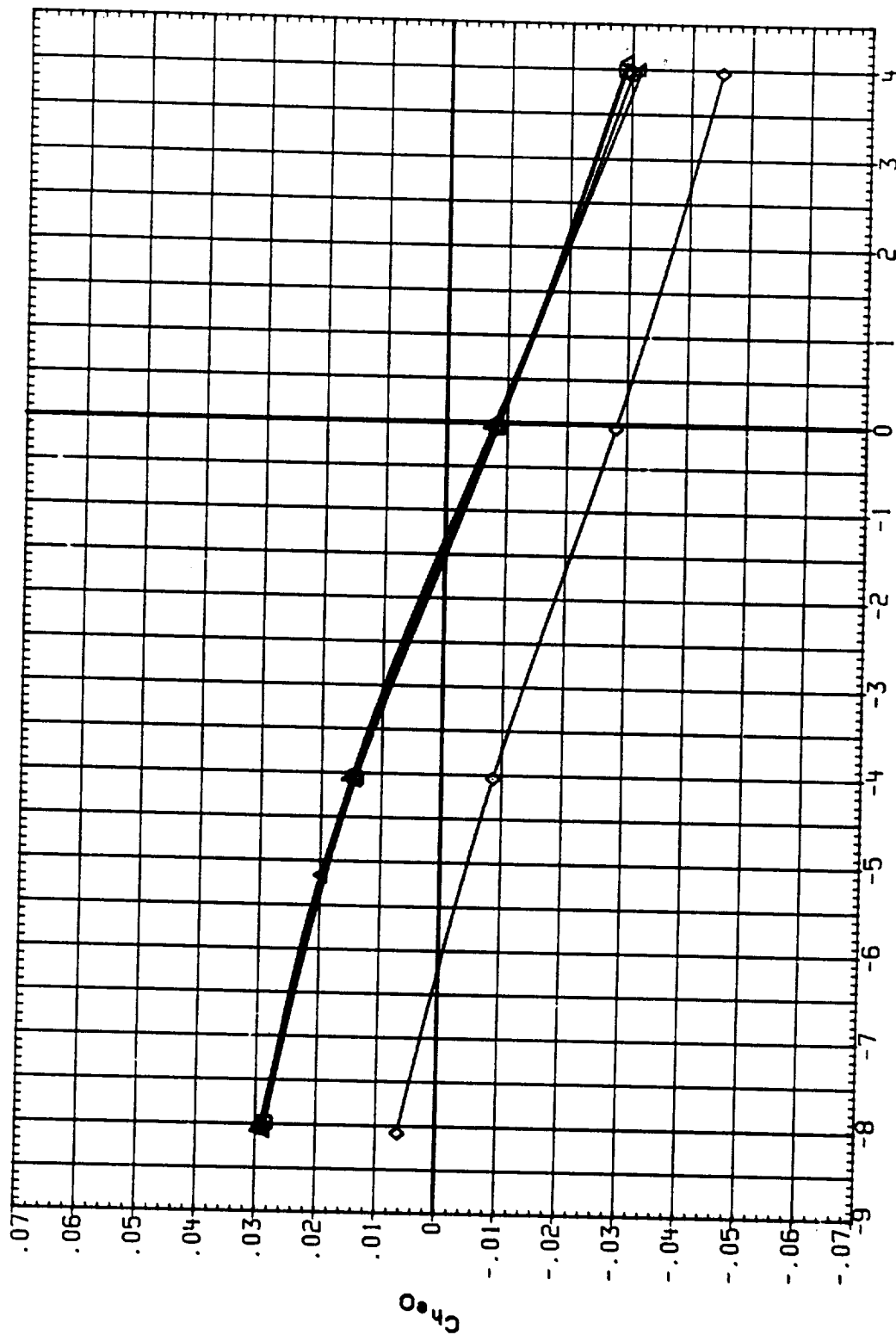


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0008 Q IAGI3AIAEDC 161F-829) OT (MIRROR) + ASRH + S1.2
 SC0009 S IAGI3AIAEDC 161F-829) OT (MIRROR) + ASRH + S1.3
 SC0010 X IAGI3AIAEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
 SC0011 A IAGI3AIAEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
 SC0012 A IAGI3AIAEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH IEABOX IB-ELV OB-ELV
 1.250 TOP 10.000 5.000
 1.250 TOP 10.000 5.000
 1.250 TOP 10.000 9.000
 1.250 TOP 10.000 5.000
 1.250 TOP 10.000 5.000

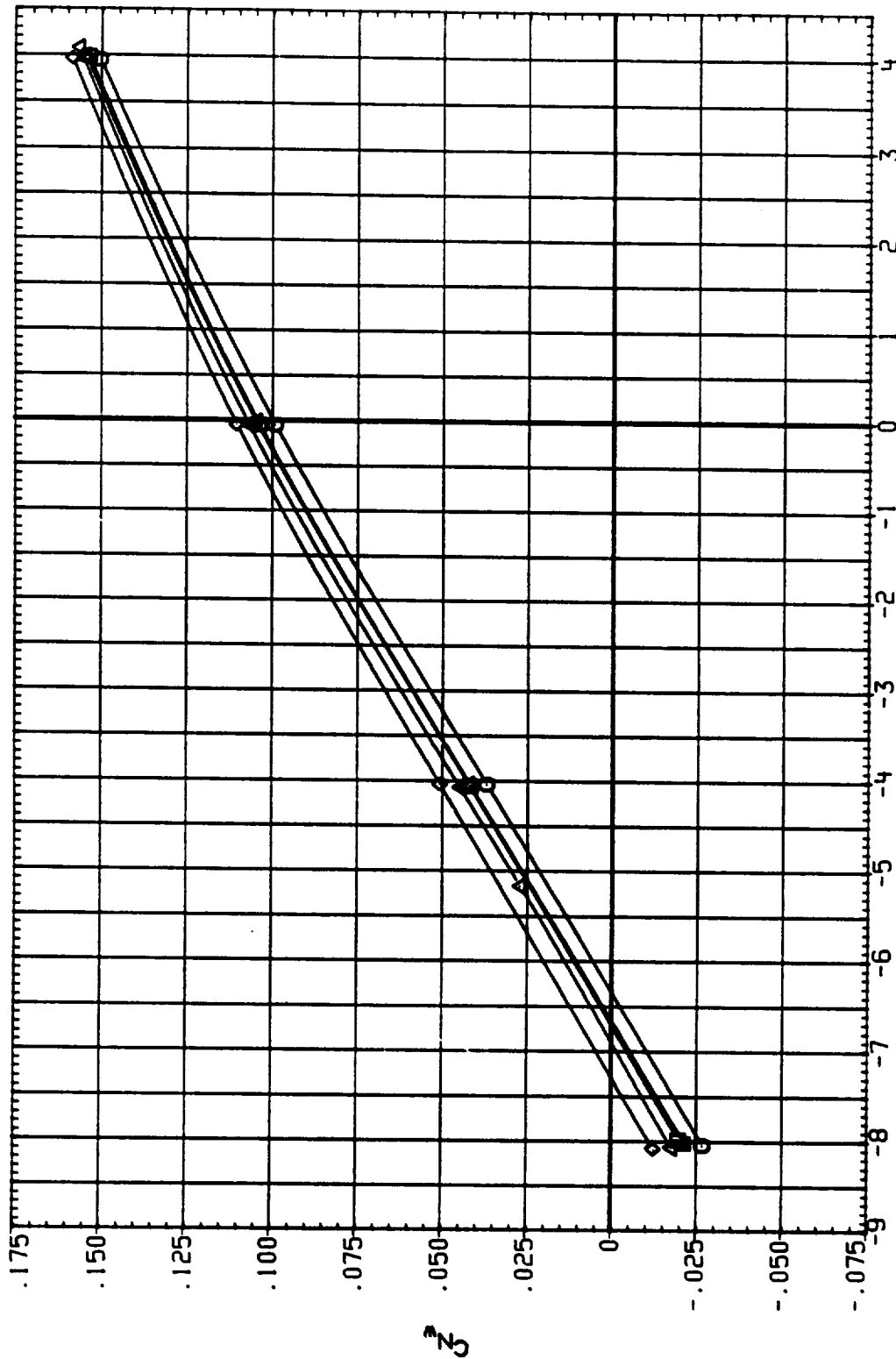


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

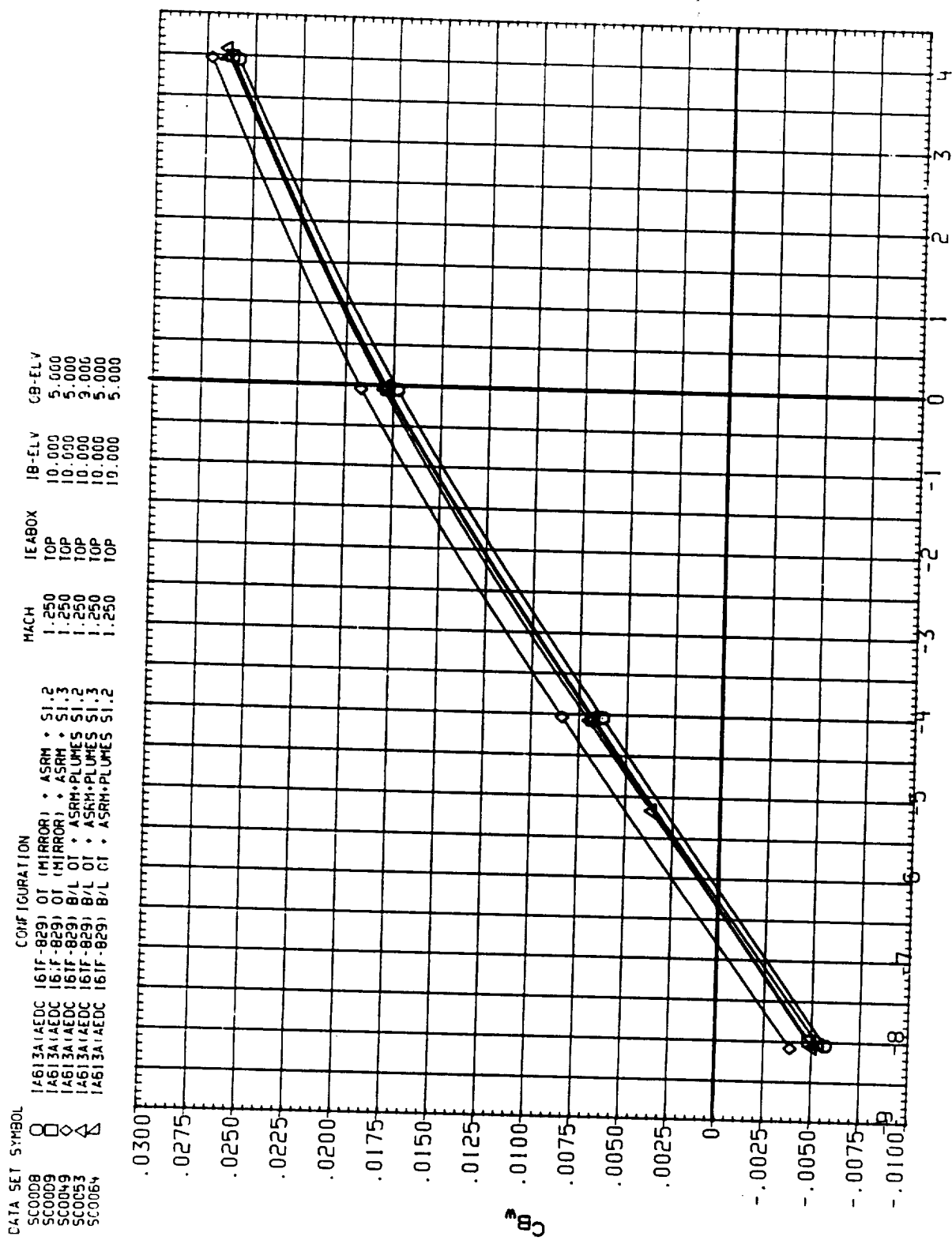


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 (A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0008	□	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.250	TOP	10.000	5.000
SC0009	◇	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.250	TOP	10.000	5.000
SC0049	◇	IA6137(AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.250	TOP	10.000	9.000
SC0053	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUNES S1.3	1.250	TOP	10.000	5.000
SC0064	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUNES S1.2	1.250	TOP	10.000	5.000

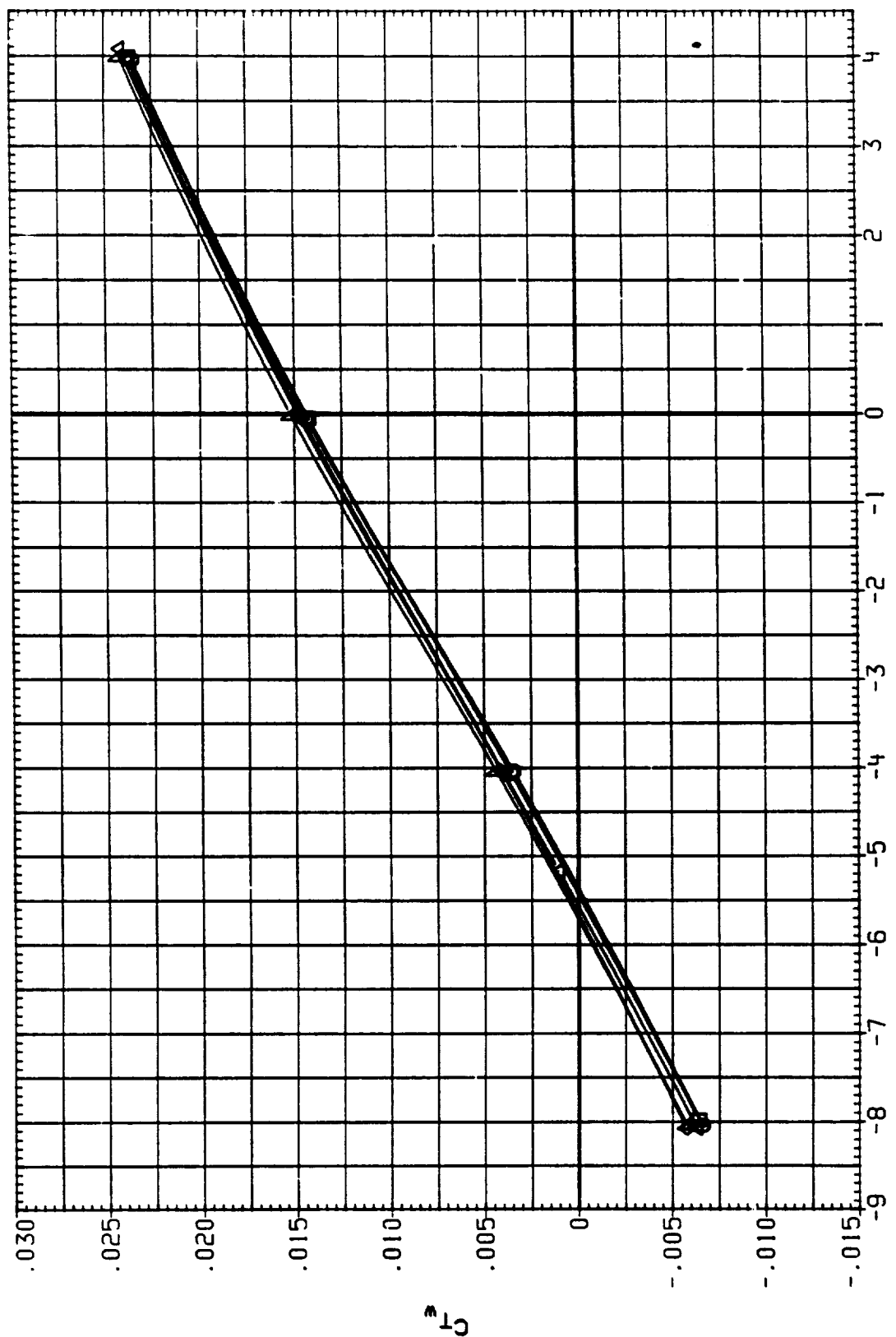


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E0	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.300	TOP	10.000	5.000
SC0050	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.300	TOP	10.000	9.000
SC0054	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000

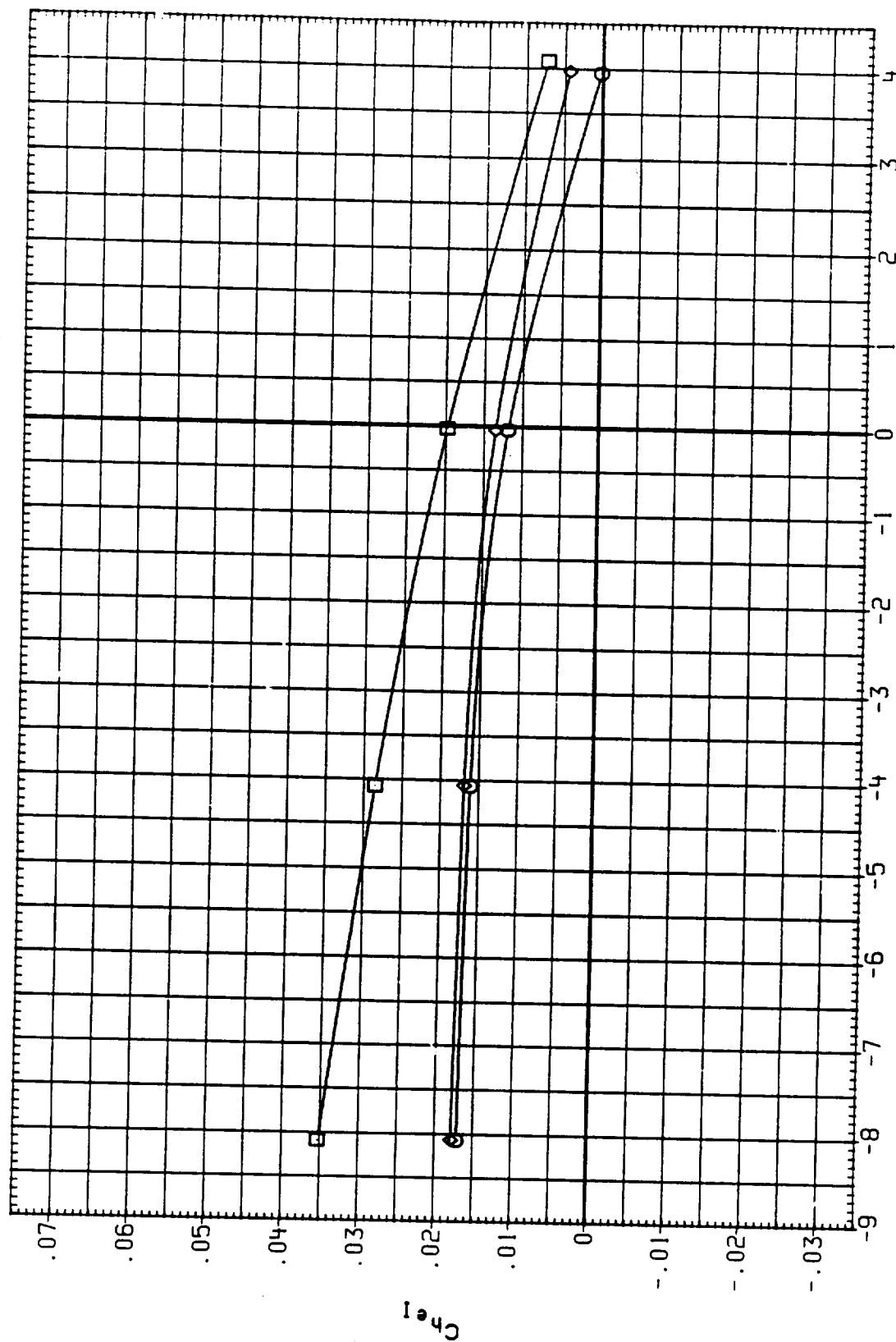


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0050	IA613AIAEDC 16TF-829) OT (MIRROR) + ASRM + SI.3	1.300	TOP	10.000	5.000
SC0050	IA613AIAEDC 16TF-829) B/L OT + ASRM-PLUMES SI.2	1.300	TOP	10.000	5.000
SC0054	IA613AIAEDC 16TF-829) B/L OT + ASRM-PLUMES SI.3	1.300	TOP	10.000	5.000

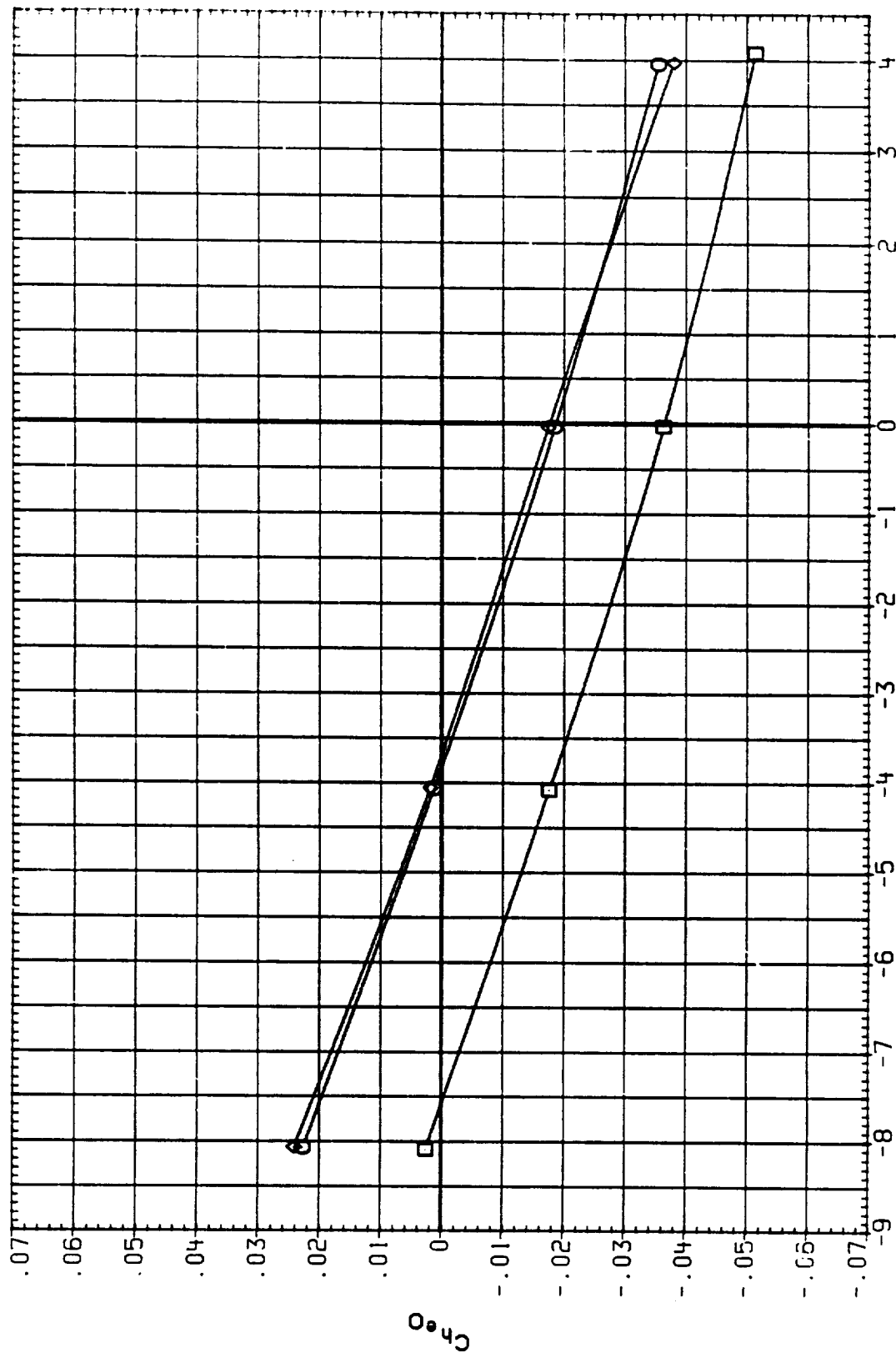


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET 34583

SC0353
SC0354
SC0355

CONFIGURATION

14513A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
14513A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
14513A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.300
1.300
1.300

FEARBOX

TOP
TOP
TOP

13-ELY

10.000
10.000
10.000

18-ELY

5.000
5.000
5.000

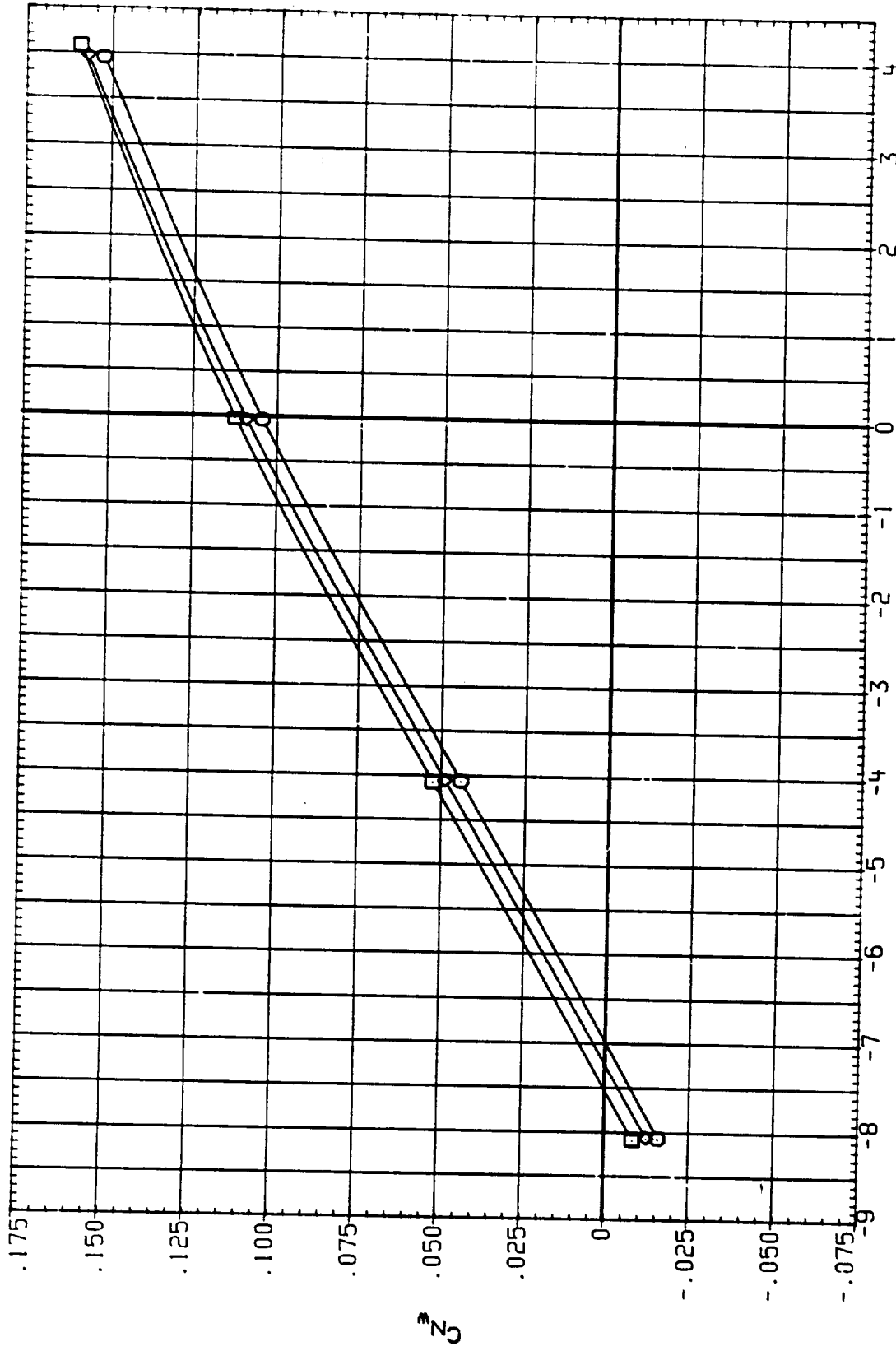


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS
(A) BETA = .00

SUBJECTS

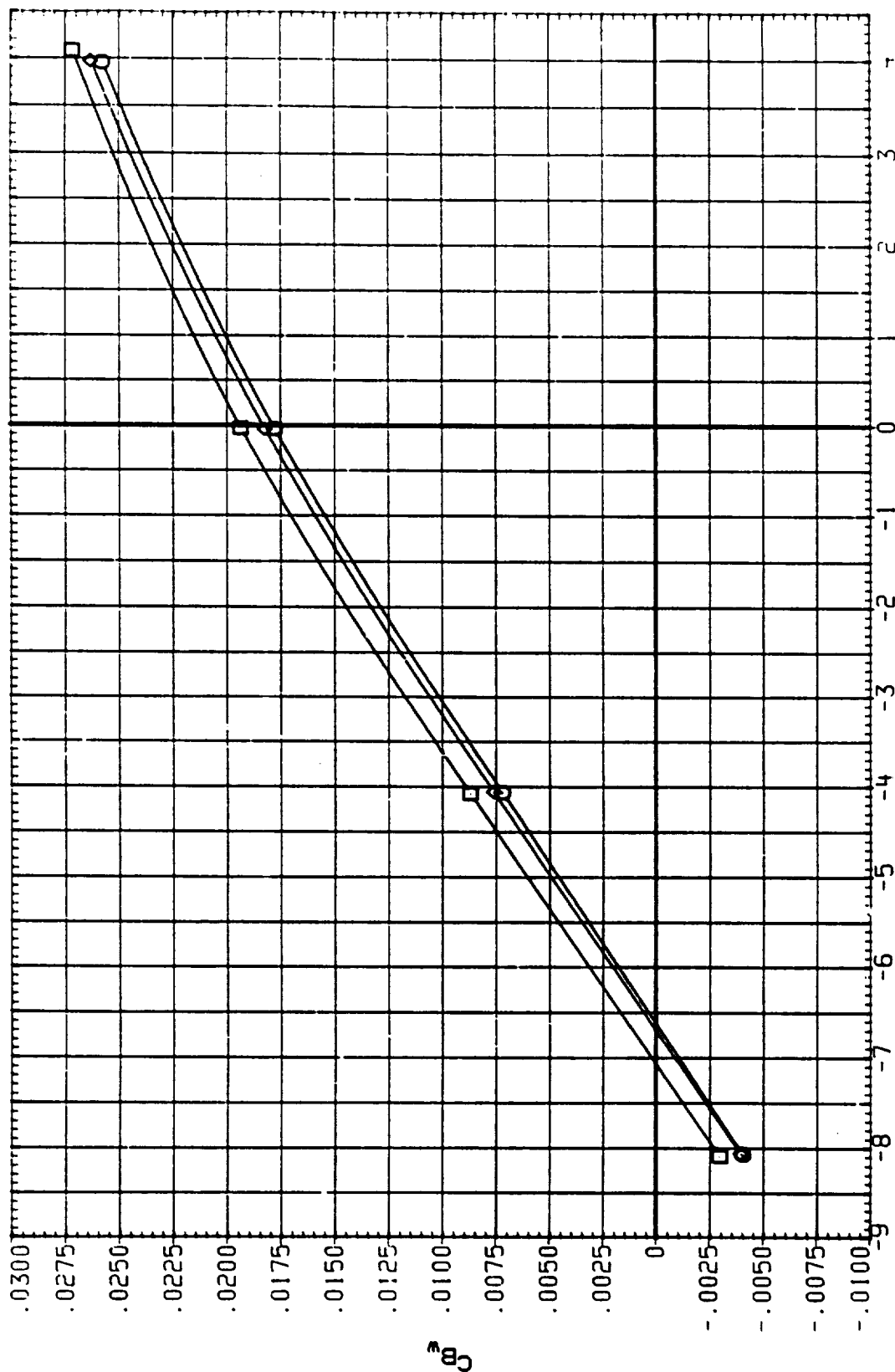


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

10:15 AM

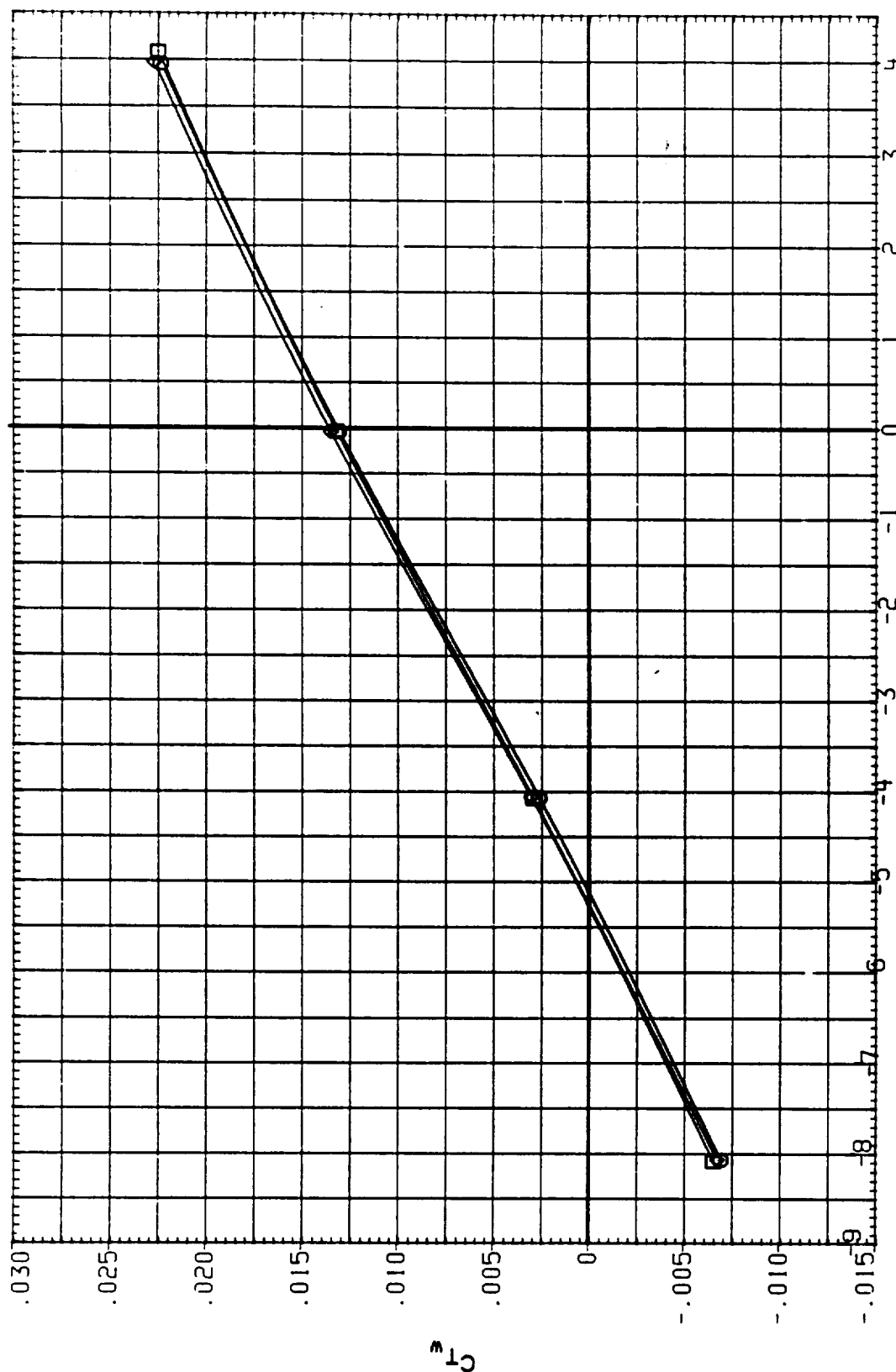


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

ORIGINAL FILED IN
OF POOR QUALITY

DATA SET SYMBOL

SC00E1
SC0051
SC0055

CONFIGURATION

1A613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.350
1.350
1.350

IEABOX

TOP
TOP
TOP

IR-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

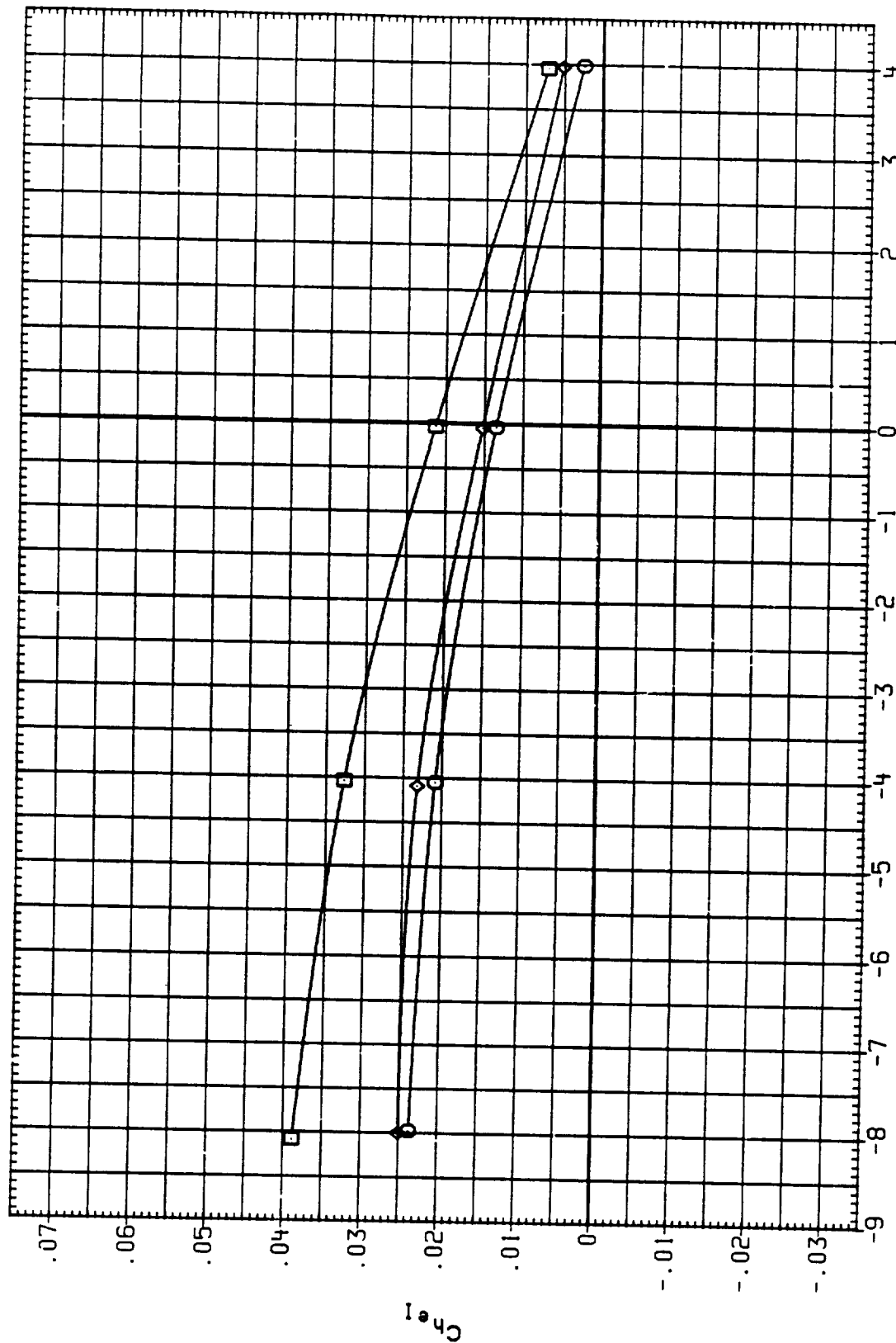


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0051
SC0051
SC0055

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.250
1.350
1.350

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

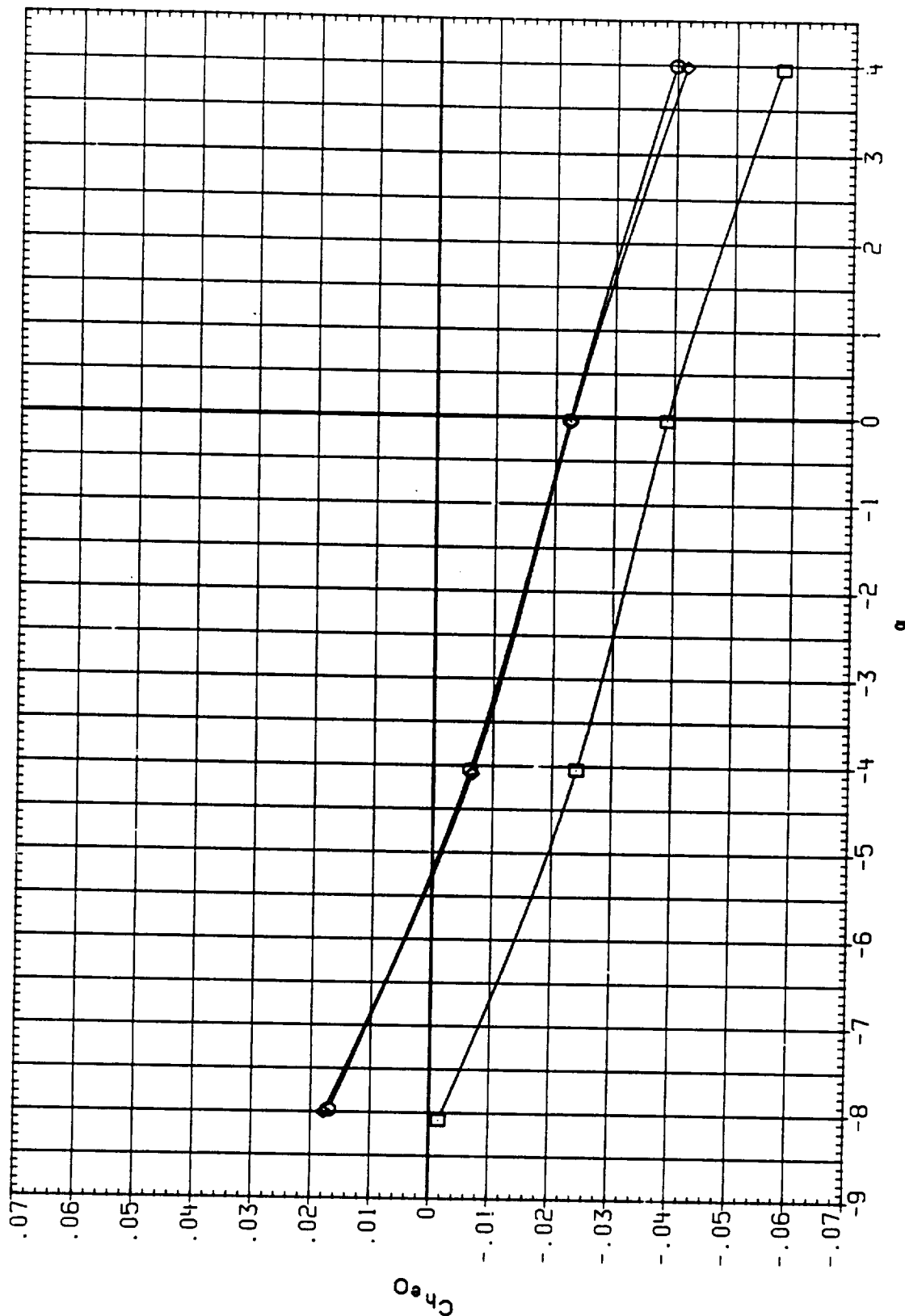


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

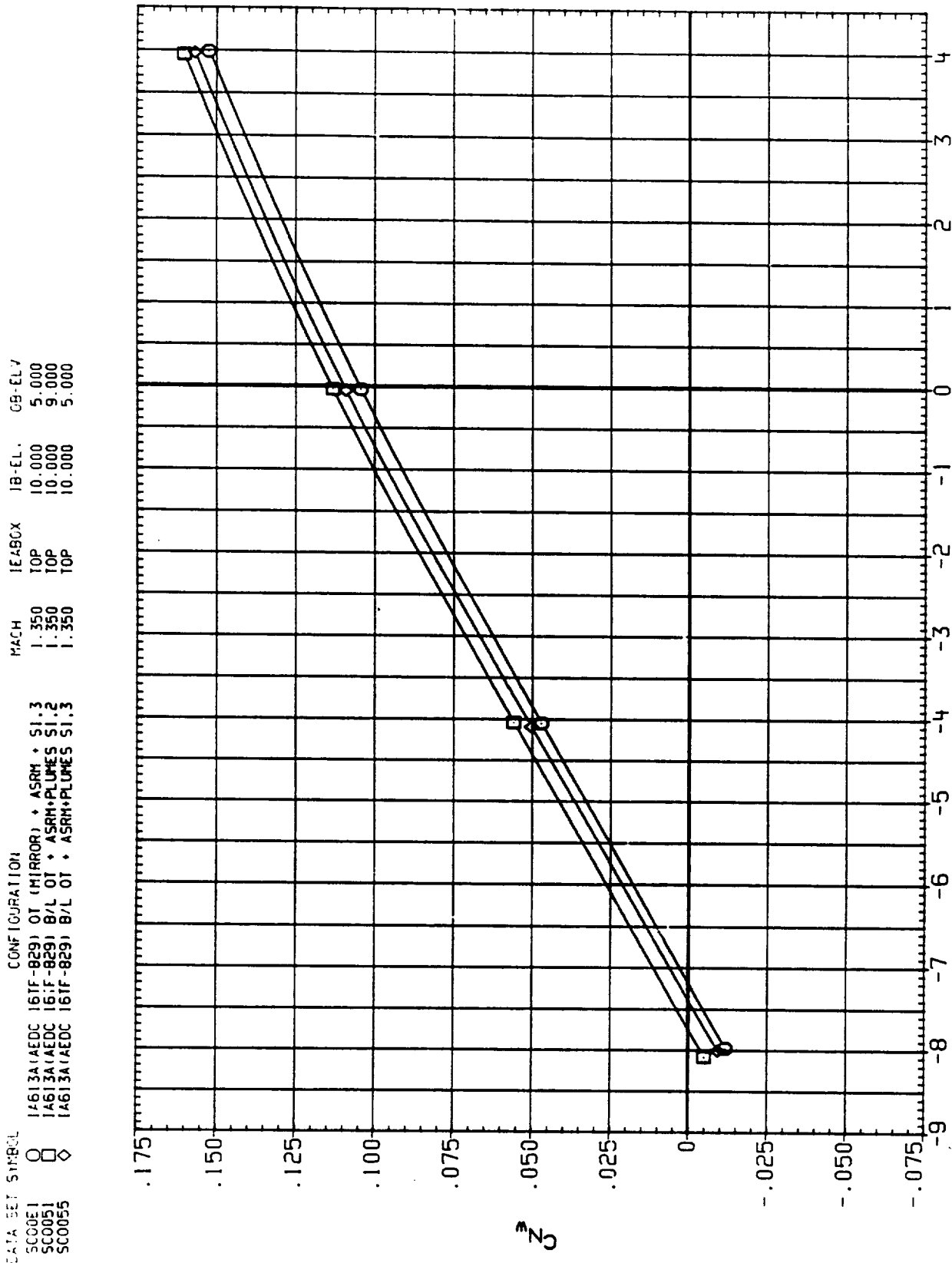


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.350
 1.350
 1.350

IEABOX

TOP
 TOP
 TOP

IB-ELV

10.000
 10.000
 10.000

OB-ELV

5.000
 9.000
 5.000

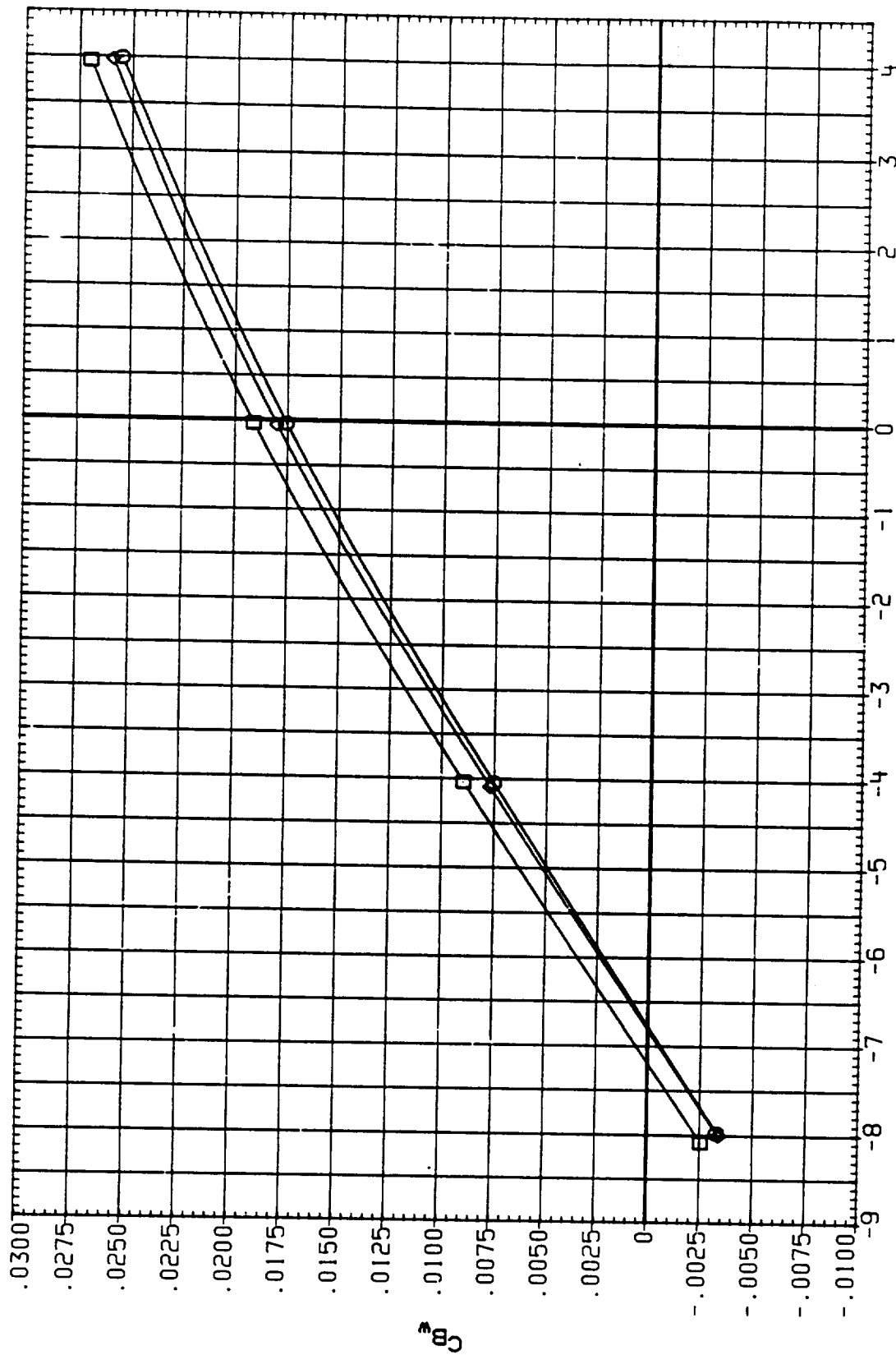


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

C-6

DATA SET 1-5821		CONFIGURATION		MACH	1E-5%	1E-5%	1E-5%
SC061	Q	1A613A1AEDC	161F-8291 OT (MIRROR) + ASRM + S1.3	1.350	TOP	10.000	5.000
SC0051	Q	1A613A1AEDC	161F-8291 B/L OT + ASRM+PLUMES S1.2	1.350	TOP	10.000	5.000
SC0055	Q	1A613A1AEDC	161F-8291 B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

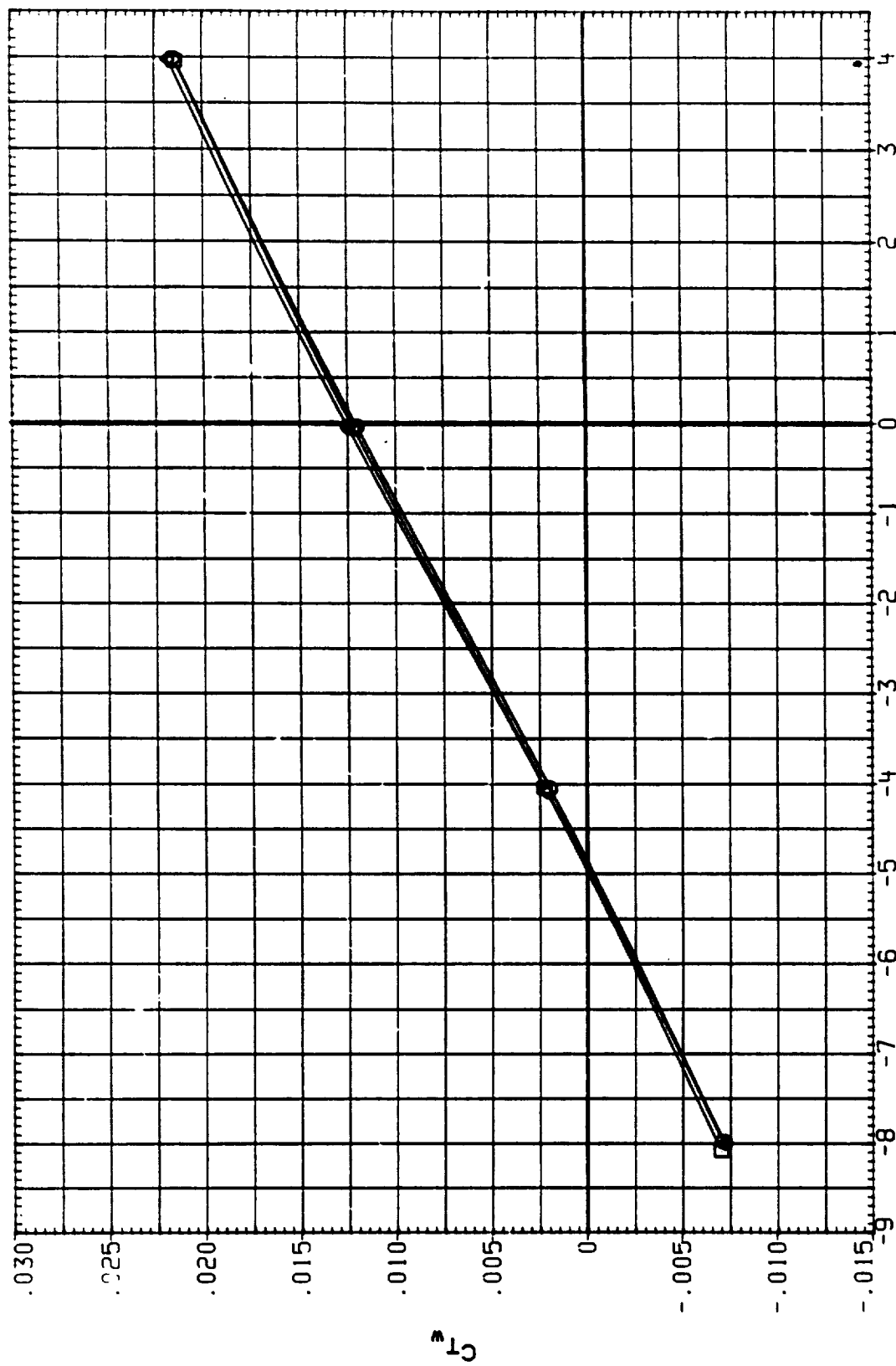


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
(A) BETA .00
WING LOADS

0123456789
0123456789
0123456789
0123456789
0123456789
0123456789

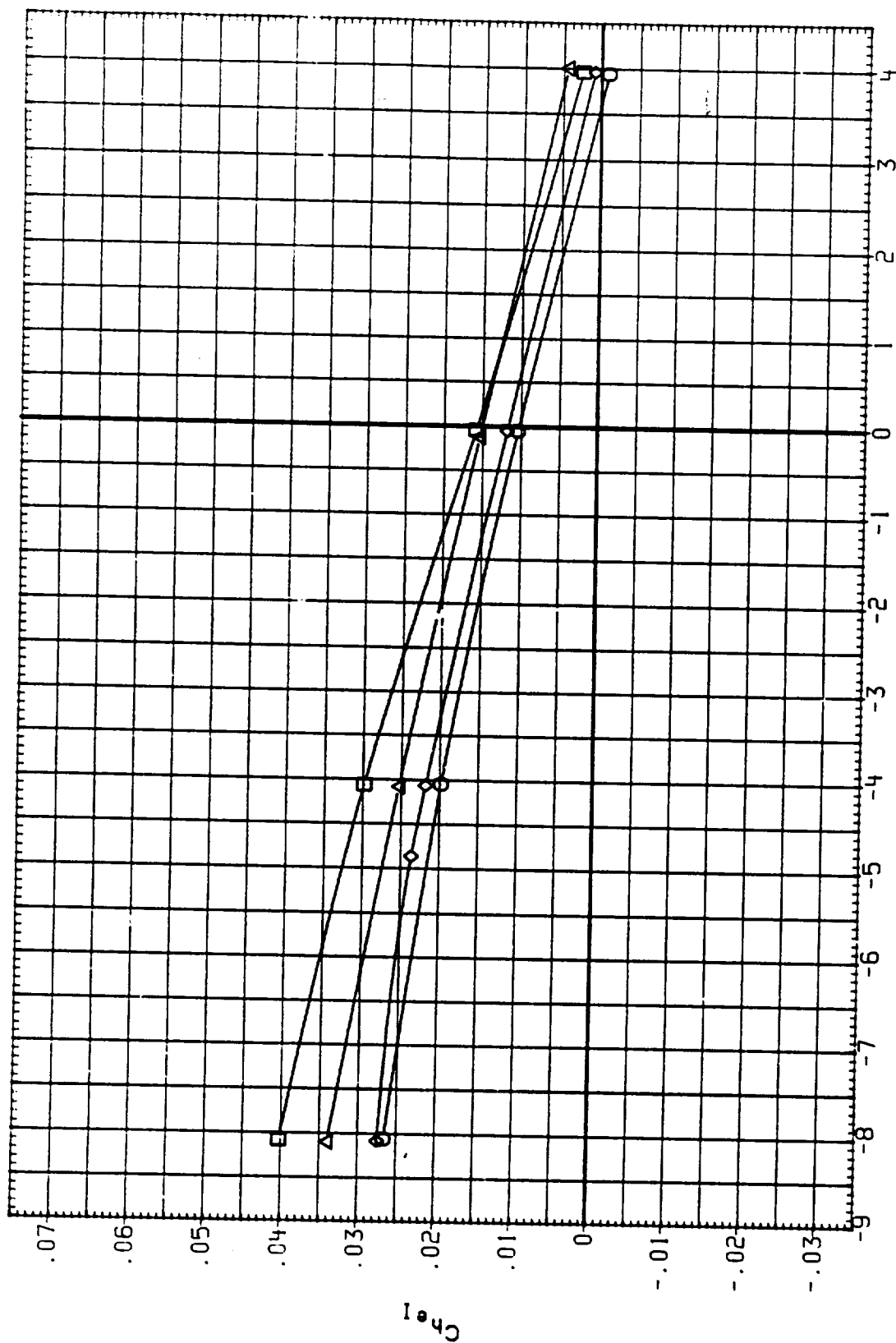


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A)BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET: 10000
 14613A1AE0C 161F-8291 OT (MIRROR) + ASRM + S1.3
 14613A1AE0C 161F-8291 B/L OT + ASRM+PLUMES S1.2
 14613A1AE0C 161F-8291 B/L OT + ASRM+PLUMES S1.3
 14613A1AE0C 161F-8291 B/L OT + ASRM+PLUMES S1.3
 500058
 MACH 1.400 1.400 1.400 1.400
 REYNOLDS 10.000 10.000 10.000 10.000
 BETA 0.00 0.00 0.00 0.00

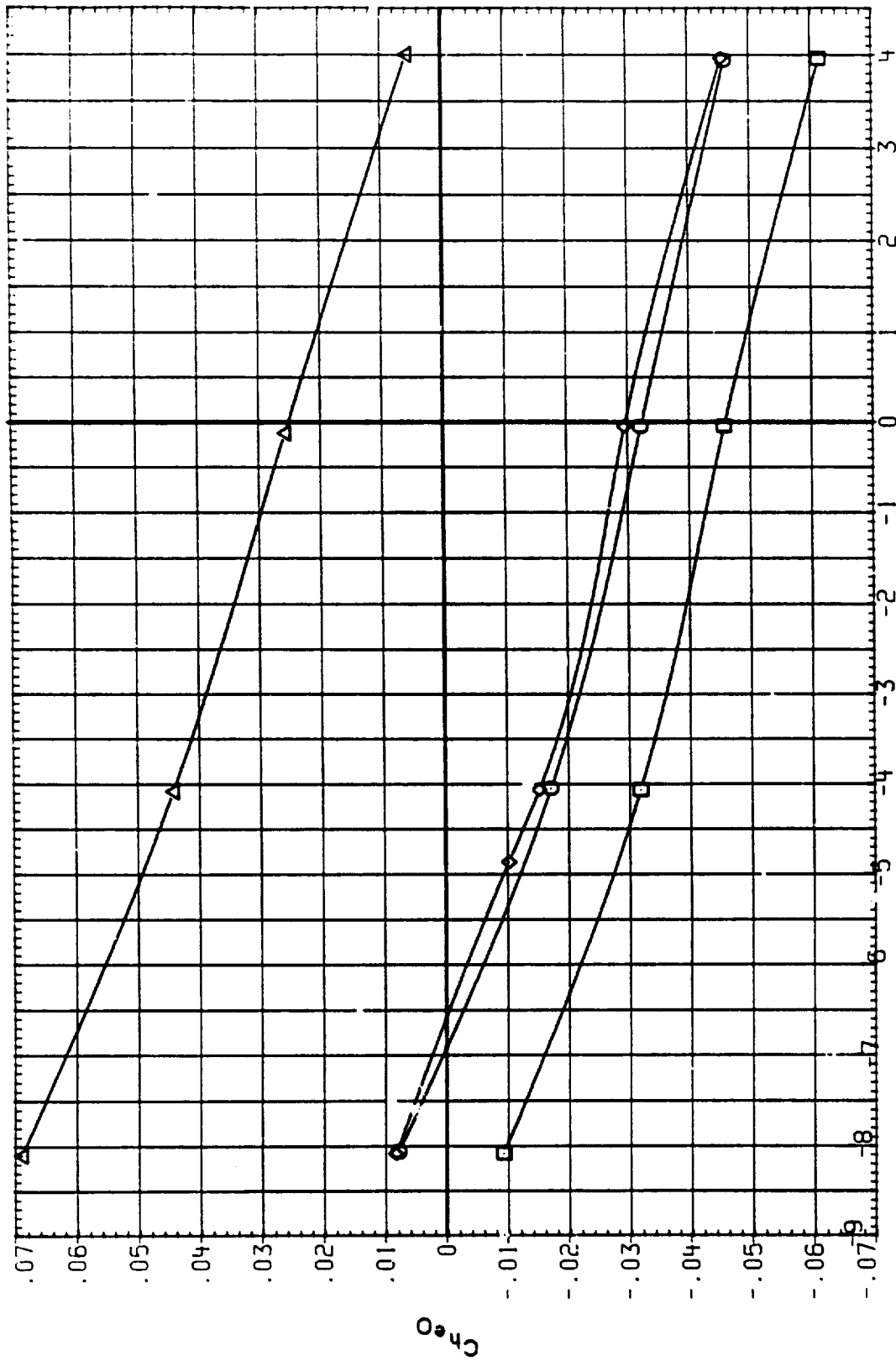


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL

SC00E2
SC0052
SC0056
SC0058

CONFIGURATION

IA613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

MACH
1.400
1.400
1.400
1.400

IEABOX
TOP
TOP
TOP
TOP

IB-ELV
10.000
10.000
10.000
10.000

OB-ELV
5.000
9.000
5.000
-5.000

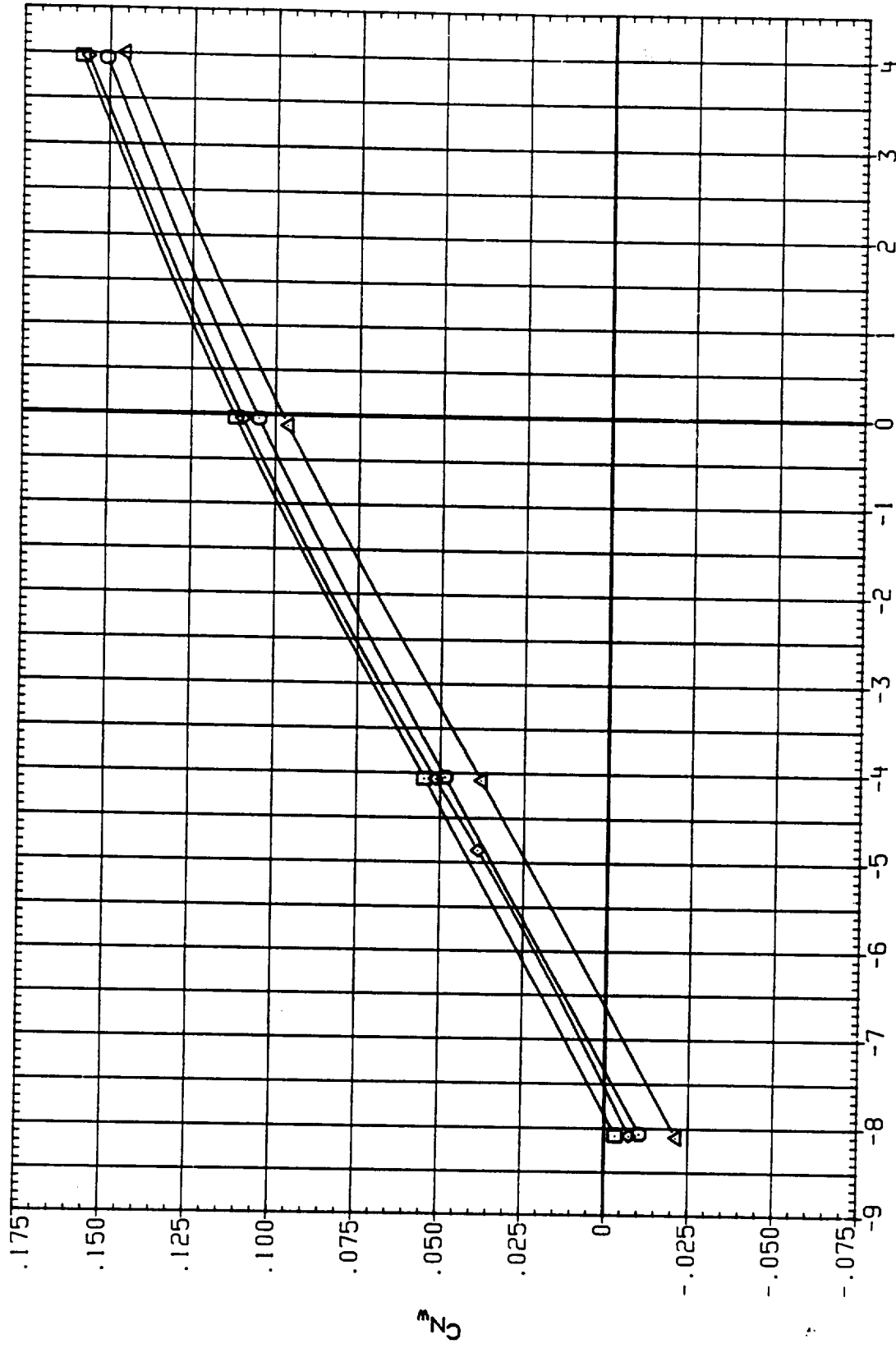


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0052 \square
 SC0052 \diamond
 SC0056 \triangle
 SC0058

CONFIGURATION

1A613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3
 1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2
 1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3
 1A613A1AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3

MACH

1.400
 1.400
 1.400
 1.400

IEABOX

TOP
 TOP
 TOP
 TOP

IB-ELV

10.000
 10.000
 10.000
 10.000

OB-ELV

5.000
 9.000
 5.000
 -5.000

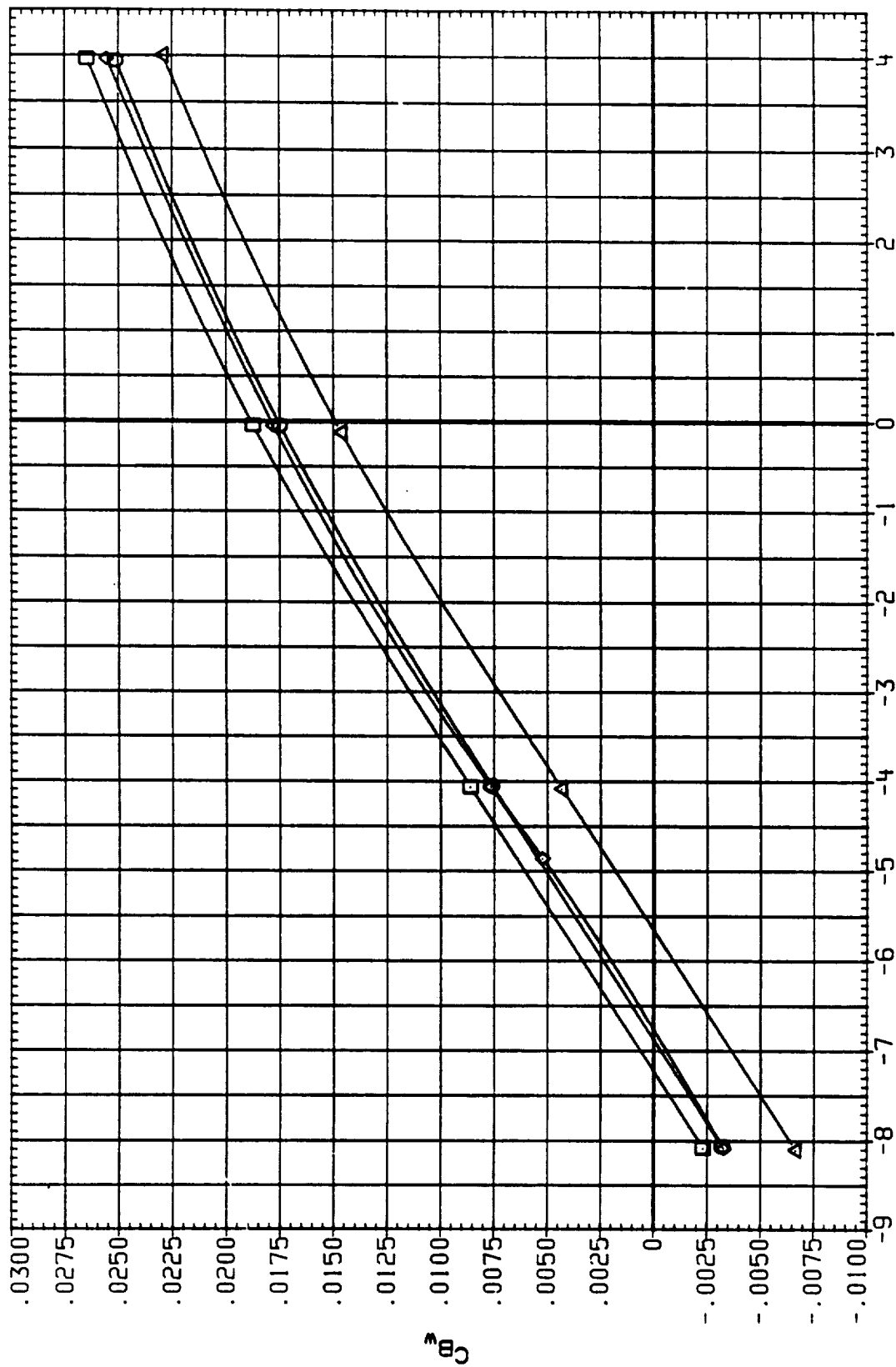


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION

(A) BETA = .00

DATA SET SYMBOL

SC00E2 \square IAS13A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
 SC0052 \square IAS13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
 SC0056 \diamond IAS13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3
 SC0058 \triangle IAS13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

CONFIGURATION

MACH IEABOX IB-ELV OB-ELV
 1.400 TOP 10.000 5.000
 1.400 TOP 10.000 9.000
 1.400 TOP 10.000 5.000
 1.400 TOP 10.000 -5.000

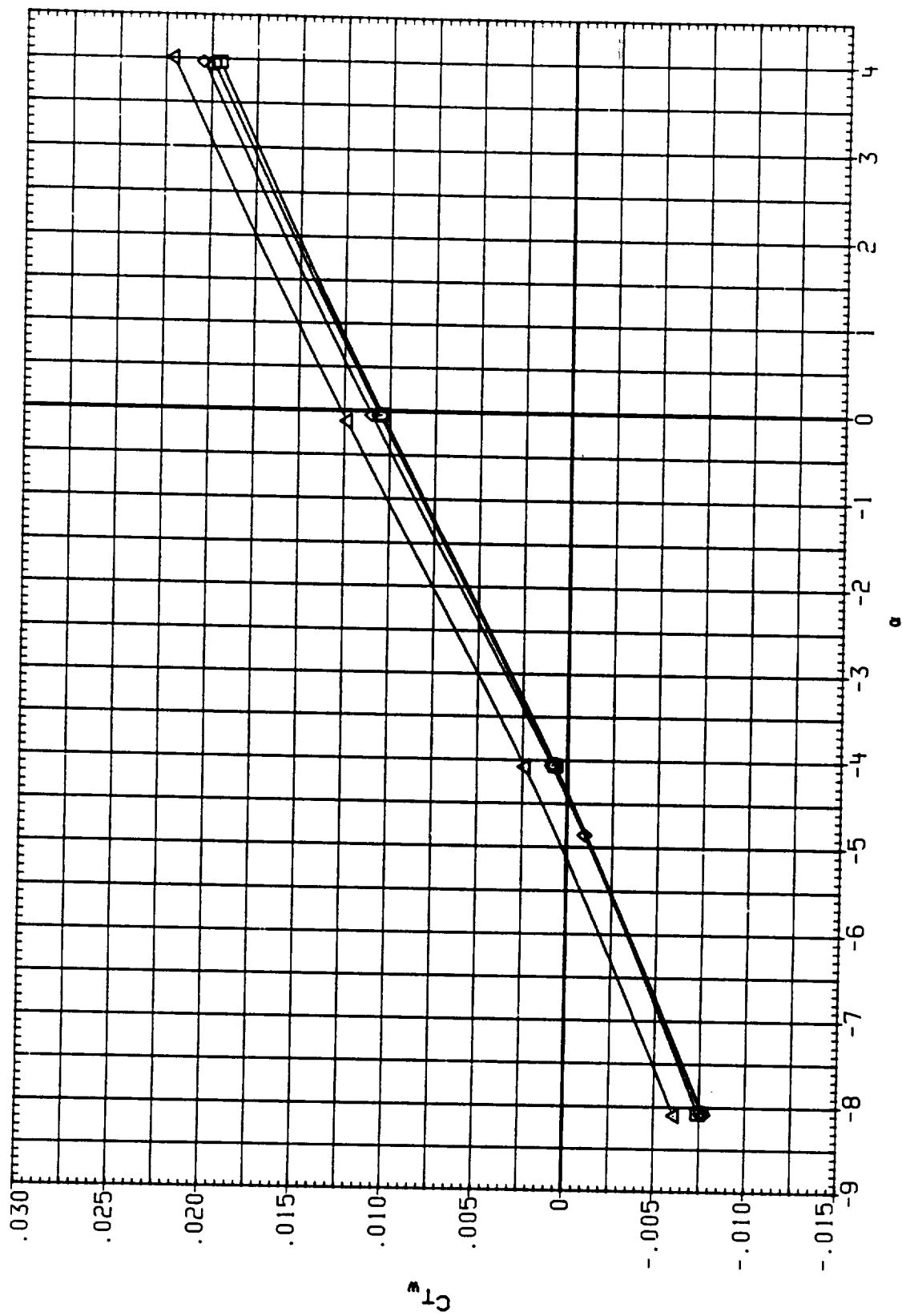


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IEABOX		IB-ELV		OB-ELV	
SC00E3	Q	1A613A1AEDC	16TF-829) OT (MIRROR) + ASRM + SI.3	1.550	TOP	10.000	5.000				
SC0057	Q	1A613A1AEDC	16TF-829) B/L OT + ASRM+PLUMES SI.3	1.550	TOP	10.000	5.000				
SC0059	Q	1A613A1AEDC	16TF-829) B/L OT + ASRM+PLUMES SI.3	1.550	TOP	10.000	-5.000				

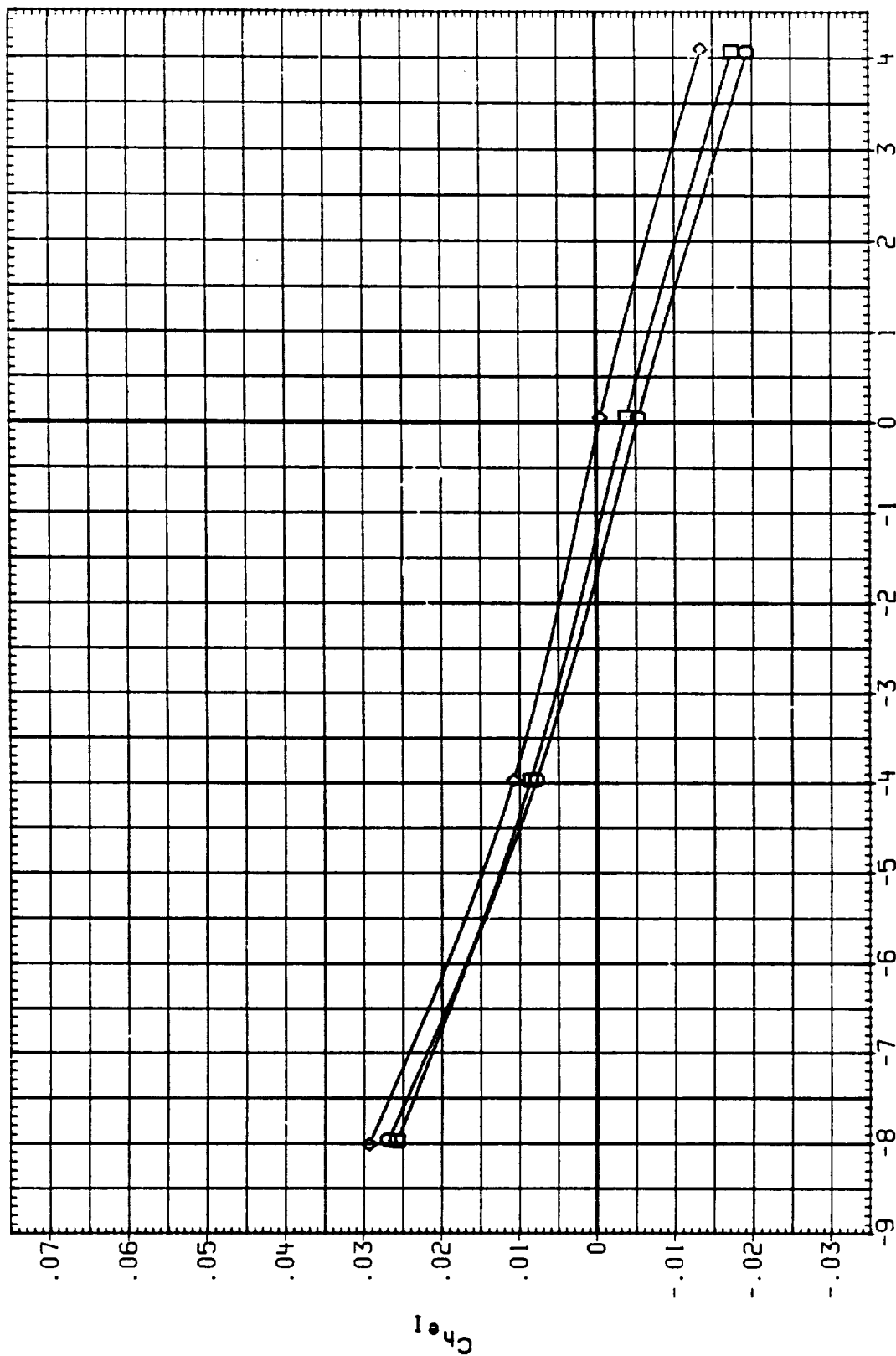


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E3
SC0057
SC0059

CONFIGURATION

I4613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.3
I4613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
I4613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.550
1.550
1.550

IE45CX

TOP
TOP
TOP

1B-ELV

10.000
10.000
10.000

CB-ELV

5.000
5.000
-5.000

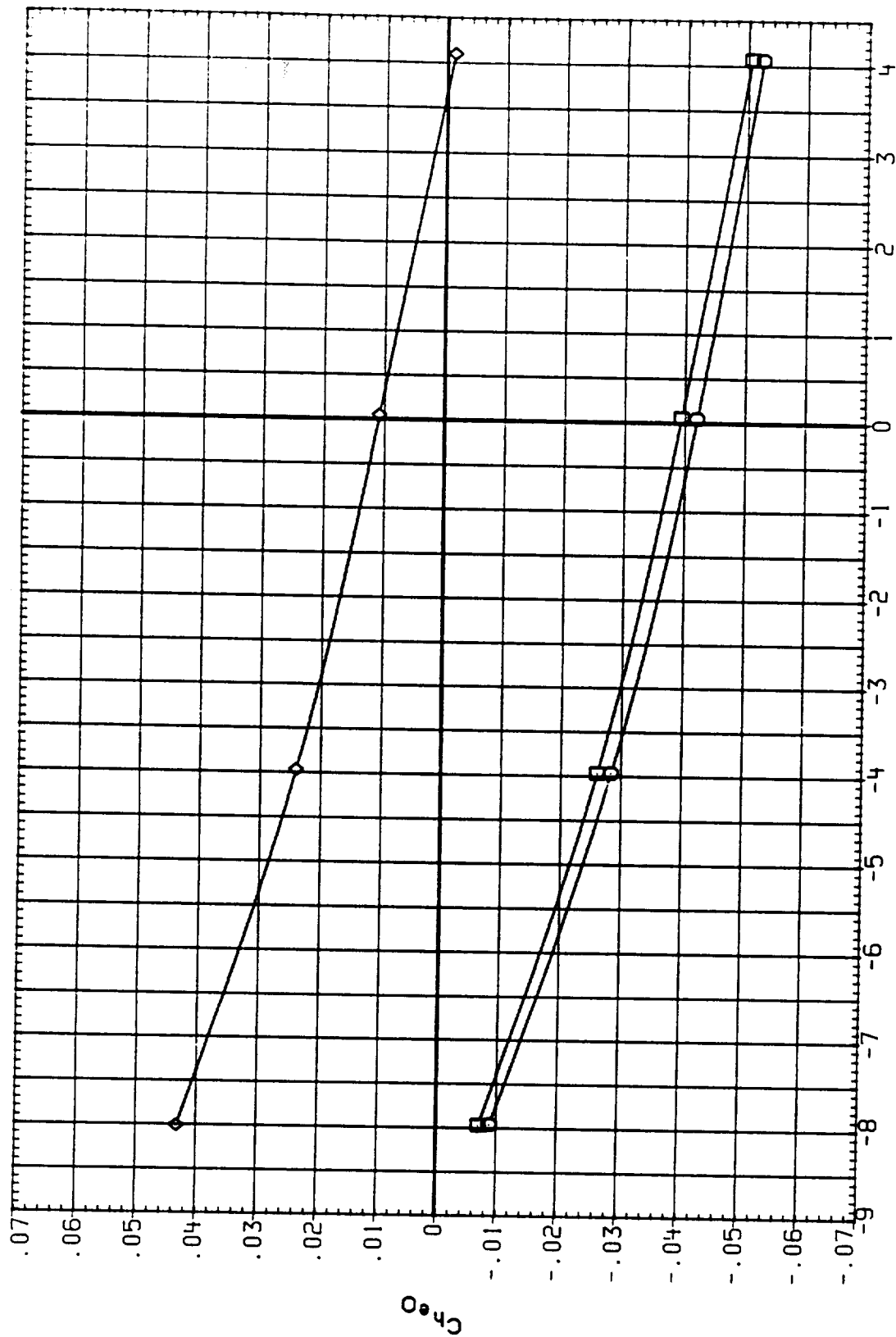


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL		CONFIGURATION		MACH		IE4BOX		IB-ELV		CB-ELV	
SC00E3	□	1A613A1AEDC	161F-829) OT (MIRROR) + ASRM + S1.3	1.550	TOP	10.000	5.000				
SC0057	◇	1A613A1AEDC	161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000				
SC0059	◇	1A613A1AEDC	161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	-5.000				

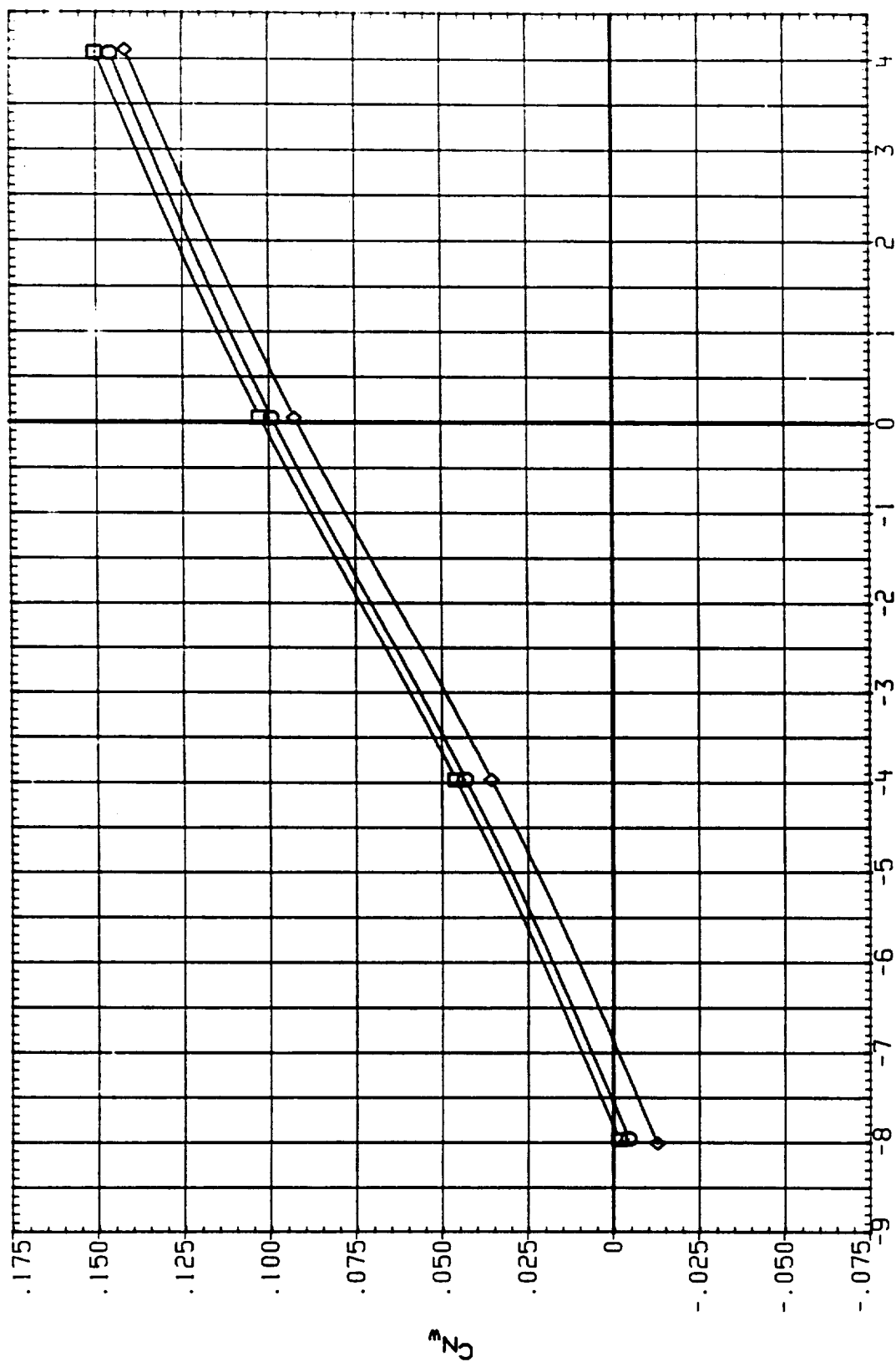


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E3
SC0057
SC0059

□
◇

CONFIGURATION

1A613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3
1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3
1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.550
1.550
1.550

1EABOX

TOP
TOP
TOP

1B-ELV

10.000
10.000
10.000

1B-ELV

5.000
5.000
-5.000

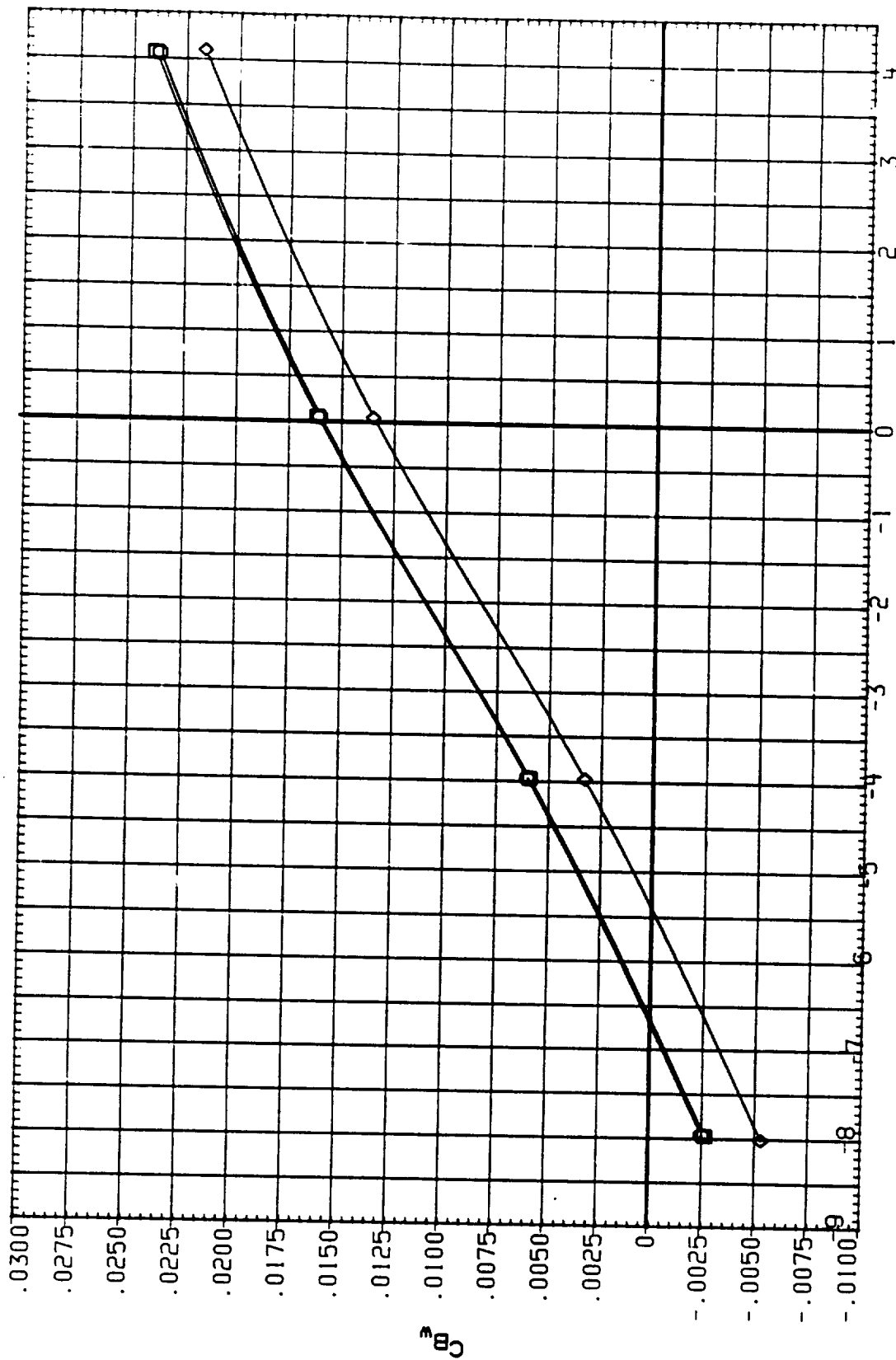


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

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OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0053	IA613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.550	TOP	10.000	5.000
SC0057	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0059	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	-5.000

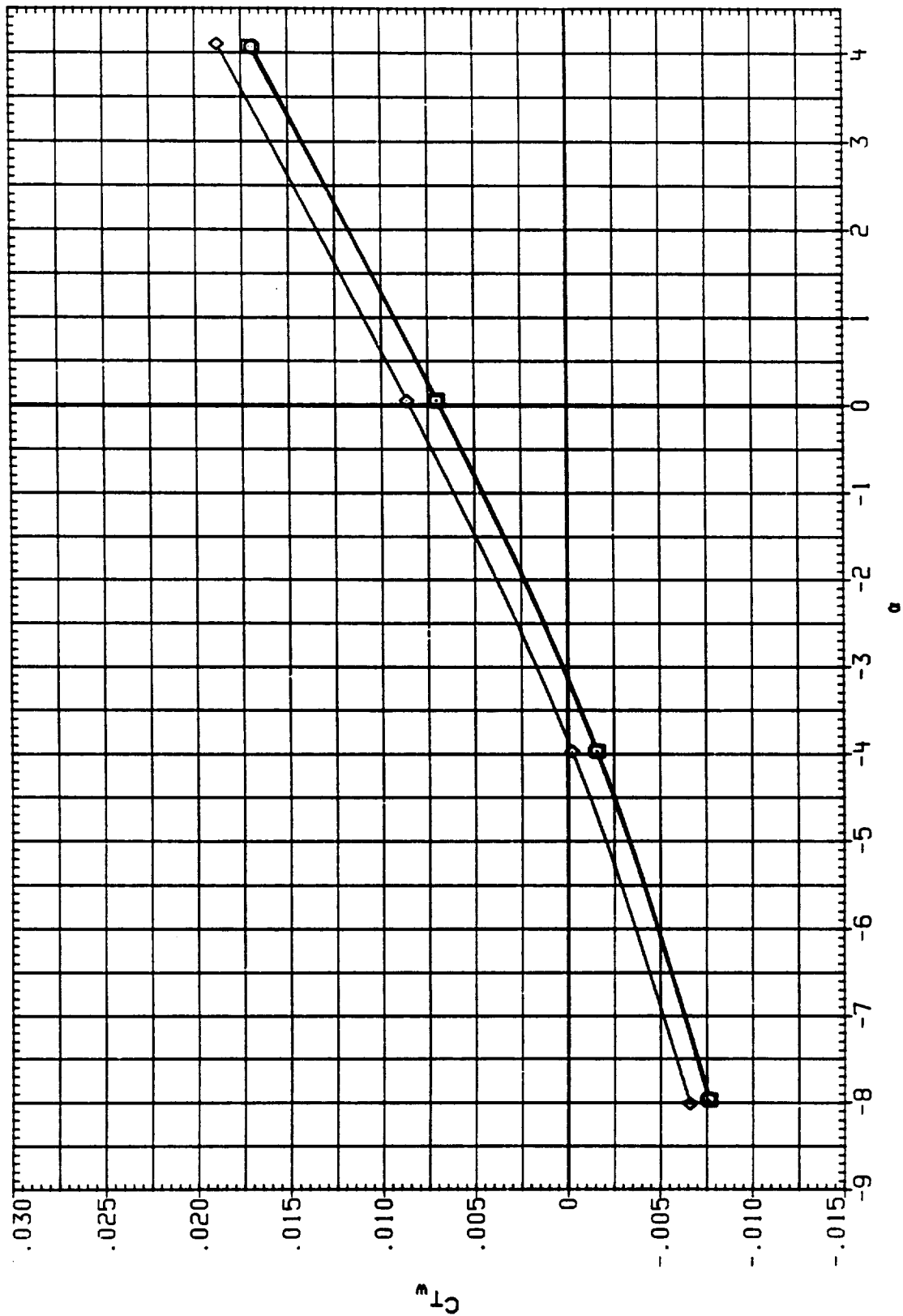


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

APPENDIX
TABULATED SOURCE DATA
(FORCE)

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DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 1

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0001) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 324/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.134	-8.436	.59881	-.02456	-.05080	.02157	.03469	.06650	.01428	.09977	-.06613	.03212
-4.203	-4.228	.60055	.10890	.08356	-.07148	-.05890	.06611	.01536	.09528	-.06369	.03251
-4.282	-.140	.60085	.23755	.21332	-.16055	-.14848	.06028	.01187	.09274	-.06241	.03399
-4.204	4.116	.60051	.37517	.35184	-.25643	-.24483	.04803	.00139	.07918	-.05351	.03201
	GRADIENT	-.00001	.03192	.03216	-.02217	-.02229	-.00217	-.00168	-.00194	.00123	-.00006

RUN NO. 325/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.382	.59998	-.05037	-.07452	.04100	.05309	.06448	.01652	-.00513	.00383	-.00010
.000	-4.203	.60052	.07604	.05282	-.04637	-.03480	.06526	.01893	-.00277	.00206	.00035
-.000	-.023	.60103	.20931	.18716	-.13808	-.12701	.05948	.01541	-.00229	.00183	.00056
.003	4.150	.60069	.34363	.32249	-.23137	-.22077	.04818	.00621	-.00141	.00129	.00088
	GRADIENT	.00002	.03203	.03228	-.02215	-.02226	-.00204	-.00152	.00016	-.00009	.00006

RUN NO. 326/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.132	-8.434	.60186	-.03384	-.05917	.02478	.03752	.06611	.01598	-.10947	.07314	-.03250
4.204	-4.210	.59762	.10413	.07819	-.07097	-.05796	.06806	.01659	-.10470	.07189	-.03305
4.288	-.043	.59998	.23774	.21359	-.16320	-.15111	.06706	.01910	-.10129	.07134	-.03299
4.202	4.118	.59949	.36667	.34349	-.25265	-.24100	.05406	.00814	-.08392	.05970	-.02916
	GRADIENT	.00022	.03153	.03186	-.02182	-.02198	-.00168	-.00101	.00250	-.00146	.00047

PRECEDING PAGE BLANK NOT FILMED

(RC0002) (13 APR 92)

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

PARAMETRIC DATA

MACH = .800 IEABDX = .000
IB-ELV = 10.000 OB-ELV = 9.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 331/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.137	-8.568	.79952	-.02582	-.05380	.02369	.03756	.07723	.02109	.10244	-.06776	.03297
-4.211	-4.281	.80045	.12089	.09467	-.07963	-.06668	.07294	.02018	.09812	-.06552	.03393
-4.285	-.053	.80038	.26088	.23611	-.17728	-.16500	.06550	.01579	.09407	-.06322	.03552
-4.220	4.164	.79966	.40054	.37686	-.27578	-.26410	.05635	.00862	.08390	-.05675	.03470
	GRADIENT	-.00009	.03311	.03341	-.02323	-.02338	-.00196	-.00137	-.00168	.00104	.00009

RUN NO. 332/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.482	.79989	-.06193	-.08806	.05076	.06376	.07376	.02153	-.00476	.00338	.00010
.001	-4.208	.80047	.07627	.05145	-.04572	-.03342	.07155	.02173	-.00307	.00226	.00035
-.000	-.008	.79998	.22276	.19929	-.14758	-.13591	.06529	.01837	-.00175	.00138	.00090
.002	4.251	.79922	.37822	.35630	-.25690	-.24599	.05378	.01000	-.00038	.00057	.00192
	GRADIENT	-.00015	.03570	.03604	-.02497	-.02513	-.00210	-.00139	.00032	-.00020	.00019

RUN NO. 333/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.132	-8.562	.79954	-.03633	-.06452	.02746	.04147	.07702	.02064	-.11760	.07946	-.03505
4.206	-4.276	.80027	.11541	.08907	-.07840	-.06531	.08151	.02876	-.11838	.08256	-.03695
4.285	-.054	.79991	.26205	.23704	-.17936	-.16697	.08278	.03261	-.11420	.08131	-.03680
4.217	4.154	.79981	.40195	.37807	-.27628	-.26438	.07236	.02468	-.09823	.07023	-.03298
	GRADIENT	-.00005	.03399	.03428	-.02347	-.02362	-.00109	-.00048	.00239	-.00146	.00047

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 3

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0003) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 343/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.136	-8.632	.89961	-.05911	-.08858	.05483	.06938	.09377	.03443	.10011	-.06428	.03185
-4.213	-4.308	.89996	.09700	.06981	-.04338	-.04338	.08644	.03184	.09699	-.06361	.03377
-4.286	-.011	.89993	.25438	.22851	-.16844	-.15563	.07925	.02730	.09308	-.06200	.03631
-4.214	4.225	.89982	.40015	.37587	-.27287	-.26087	.07397	.02514	.08480	-.05598	.03463
	GRADIENT	-.00002	.03553	.03587	-.02532	-.02549	-.00146	-.00078	-.00143	.00089	.00010

RUN NO. 344/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.008	-8.636	.89966	-.10909	-.13691	.09328	.10716	.09117	.03570	-.00760	.00494	-.00152
-.009	-4.865	.90029	.02811	.00186	-.00489	.00817	.08630	.03386	-.00440	.00279	-.00125
-.008	-4.237	.90026	.05191	.02594	-.02201	-.00913	.08495	.03286	-.00396	.00249	-.00113
-.012	.017	.89987	.21292	.18901	-.13668	-.12481	.07719	.02926	.00041	-.00045	.00137
-.010	4.294	.89957	.37352	.35084	-.25068	-.23939	.07022	.02490	.00037	-.00020	.00211
	GRADIENT	-.00008	.03772	.03812	-.02684	-.02703	-.00175	-.00095	.00057	-.00036	.00039

RUN NO. 345/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.137	-8.628	.89994	-.07323	-.10358	.06100	.07592	.09756	.03623	-.12398	.08300	-.03663
4.207	-4.307	.90000	.08887	.06075	-.05303	-.03915	.10203	.04543	-.12719	.08824	-.03973
4.286	-.006	.90021	.25520	.22898	-.16947	-.15653	.10297	.05015	-.12451	.08880	-.04064
4.221	4.226	.89975	.39814	.37343	-.27047	-.25826	.09115	.04143	-.10427	.07384	-.03451
	GRADIENT	-.00003	.03625	.03665	-.02549	-.02568	-.00127	-.00046	.00268	-.00168	.00061

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 4

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0004) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 349/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CYN		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.143	-8.651	.94924	-.07648	-.10802	.07383	.08936	.11012	.04646	.10544	-.06844	.03393
-4.210	-4.332	.95005	.08401	.05434	-.04174	-.02721	.10475	.04456	.09828	-.06370	.03428
-4.286	.021	.95040	.24680	.21876	-.15879	-.14510	.09605	.03900	.08937	-.05764	.03617
-4.213	4.242	.94976	.39690	.37017	-.26717	-.25405	.09047	.03638	.07856	-.05037	.03332
	GRADIENT	-.00003	.03650	.03684	-.02629	-.02646	-.00167	-.00096	-.00230	.00155	-.00011

RUN NO. 350/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CYN		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.657	.94998	-.12825	-.15875	.11404	.12906	.10903	.04750	-.00535	.00344	-.00001
-.001	-4.242	.95019	.03284	.00429	-.00243	.01157	.10289	.04505	-.00258	.00155	.00024
.000	.033	.94962	.19836	.17148	-.12165	-.10846	.09516	.04072	.00092	-.00130	.00157
.002	4.280	.94950	.36920	.34385	-.24448	-.23201	.08629	.03506	.00267	-.00275	.00282
	GRADIENT	-.00008	.03947	.03984	-.02840	-.02858	-.00195	-.00117	.00062	-.00050	.00030

RUN NO. 351/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CYN		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.136	-8.657	.94971	-.09421	-.12722	.08334	.09945	.11573	.04861	-.13036	.08794	-.03855
4.206	-4.333	.95029	.07121	.04022	-.03388	-.01874	.12169	.05872	-.13040	.08992	-.04053
4.285	.035	.95044	.24750	.21844	-.15976	-.14554	.12321	.06427	-.12237	.08570	-.03995
4.216	4.230	.94942	.39115	.36408	-.26174	-.24845	.10943	.05464	-.10308	.07169	-.03425
	GRADIENT	-.00010	.03738	.03784	-.02662	-.02684	-.00142	-.00046	.00318	-.00212	.00073

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0005) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 355/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.145	-8.648	1.04999	-1.10834	-1.14404	.10952	.12701	.13265	.06025	.10364	-.06651	.03875
-4.211	-4.367	1.05078	.06565	.03151	-.01680	-.00023	.12555	.05573	.09664	-.06129	.03975
-4.295	-.016	1.05032	.24800	.21490	-.14834	-.13249	.12134	.05284	.09086	-.05715	.04233
-4.217	4.313	1.04987	.41222	.38044	-.26633	-.25111	.11351	.04776	.07658	-.04717	.03661
	GRADIENT	-.00010	.03993	.04020	-.02875	-.02890	-.00139	-.00092	-.00231	.00163	-.00036

RUN NO. 356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.728	1.04902	-1.14878	-1.18309	.13951	.15629	.13034	.06068	-.00360	.00213	.00109
.000	-4.237	1.05178	.02819	-.00467	.01263	.02863	.12575	.05874	-.00047	-.00014	.00159
-.001	.069	1.05131	.20852	.17739	-.11724	-.10211	.12024	.05670	.00321	-.00300	.00240
-.002	4.324	1.04910	.37069	.34069	-.23396	-.21933	.11367	.05261	.00598	-.00508	.00341
	GRADIENT	-.00031	.04001	.04035	-.02881	-.02897	-.00141	-.00071	.00075	-.00058	.00021

RUN NO. 360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.144	-8.611	1.05004	-1.12232	-1.15976	.11956	.13761	.15601	.07897	-.16477	.11491	-.04926
4.210	-4.353	1.05024	.06860	.03356	-.01720	-.00027	.16656	.09461	-.16239	.11419	-.05101
4.299	-.008	1.05049	.25887	.22558	-.15413	-.13796	.17272	.10469	-.15909	.11375	-.05231
4.217	4.305	1.04960	.39996	.36835	-.25206	-.23671	.16053	.09593	-.13050	.09247	-.04292
	GRADIENT	-.00007	.03828	.03868	-.02713	-.02731	-.00069	.00015	.00368	-.00251	.00093

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0006) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.146	-8.643	1.09811	-.12788	-.17015	.13326	.15389	.15257	.06656	.10398	-.06709	.03973
-4.215	-4.361	1.10059	.04432	.00476	.00755	.02673	.14502	.06403	.09725	-.06243	.04078
-4.297	-.010	1.10015	.22761	.18987	-.12607	-.10789	.13962	.06194	.09180	-.05883	.04332
-4.219	4.327	1.09973	.39308	.35785	-.24776	-.23090	.13025	.05731	.07856	-.05040	.03836
	GRADIENT	-.00010	.04014	.04064	-.02939	-.02965	-.00170	-.00077	-.00215	.00138	-.00028

RUN NO. 365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.731	1.09923	-.16878	-.20878	.16368	.18313	.15017	.06852	-.00518	.00327	.00044
.001	-5.127	1.10084	-.02907	-.06753	.06276	.08145	.14587	.06733	-.00370	.00226	.00042
-.001	-4.239	1.10017	.00492	-.03331	.03833	.05689	.14448	.06635	-.00325	.00194	.00059
.000	.078	1.09990	.18586	.14903	-.09285	-.07500	.13898	.06362	.00084	-.00113	.00133
-.001	4.339	1.09938	.35593	.32060	-.21798	-.20101	.13390	.06103	.00361	-.00323	.00229
	GRADIENT	-.00009	.04092	.04126	-.02988	-.03007	-.00123	-.00062	.00080	-.00060	.00020

RUN NO. 366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.145	-8.635	1.09734	-.14655	-.18977	.14694	.16782	.17625	.08750	-.15944	.11189	-.04830
4.212	-4.368	1.10096	.04097	.00123	.01155	.03083	.18409	.10279	-.15972	.11326	-.05072
4.296	-.008	1.10063	.23218	.19456	-.12805	-.10972	.18913	.11251	-.15850	.11447	-.05274
4.218	4.320	1.10001	.38238	.34676	-.23537	-.21800	.18057	.10805	-.13782	.10016	-.04644
	GRADIENT	-.00011	.03930	.03978	-.02843	-.02865	-.00040	.00061	.00252	-.00151	.00049

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 370/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.147	-8.717	1.14834	-.11704	-.15269	.12160	.13902	.14346	.07104	.10223	-.06607	.03924
-4.216	-4.375	1.15065	.06893	.03501	-.01532	.00117	.13946	.07024	.09558	-.06173	.04167
-4.297	-.003	1.15076	.25085	.21789	-.14836	-.13243	.13702	.06938	.09265	-.05987	.04287
-4.217	4.335	1.14987	.41029	.37883	-.26414	-.24501	.13056	.06574	.07901	-.05045	.03910
	GRADIENT	-.00009	.03920	.03948	-.02857	-.02873	-.00102	-.00052	-.00190	.00129	-.00029

RUN NO. 371/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.765	1.14906	-.15957	-.19329	.15367	.17015	.14190	.07344	-.00498	.00346	.00054
.000	-4.385	1.15124	.02663	-.00548	.01732	.03298	.13701	.07159	-.00279	.00197	.00104
.000	.097	1.15091	.21604	.18463	-.12088	-.10566	.13633	.07201	.00143	-.00135	.00219
.002	4.325	1.14973	.37343	.34249	-.23536	-.22052	.13174	.06783	.00389	-.00307	.00253
	GRADIENT	-.00017	.03984	.03997	-.02903	-.02912	-.00060	-.00043	.00077	-.00058	.00017

RUN NO. 372/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.146	-8.713	1.14830	-.13996	-.17639	.13936	.15704	.16828	.09375	-.15869	.11073	-.04821
4.209	-4.378	1.14987	.06364	.02918	-.00957	.00716	.18001	.10958	-.16287	.11594	-.05276
4.295	-.002	1.15067	.24643	.21304	-.14260	-.12635	.18396	.11584	-.15384	.11077	-.05143
4.216	4.326	1.14956	.39372	.36183	-.24715	-.23161	.17768	.11271	-.13457	.09758	-.04603
	GRADIENT	-.00003	.03793	.03822	-.02730	-.02744	-.00027	.00036	.00325	-.00211	.00077

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0008) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 376/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
-4.144	-8.820	1.24942	-.10751	-.13869	.11300
-4.216	-4.383	1.25061	.08078	.05020	-.02767
-4.297	-.009	1.25019	.25675	.22711	-.15704
-4.218	4.354	1.24965	.40958	.38061	-.26759
	GRADIENT	-.00011	.03763	.03782	-.02746
					-.02756
					-.00064
					-.00029
					-.00156
					-.00095
					-.00024

RUN NO. 377/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
.001	-8.801	1.24937	-.14452	-.17453	.14132
.000	-4.245	1.25003	.05395	.02438	-.00753
-.001	.067	1.24985	.23412	.20534	-.13974
.001	4.349	1.24987	.38258	.35414	-.24551
	GRADIENT	-.00002	.03824	.03838	-.02770
					-.02778
					-.00032
					-.00012
					-.00061
					-.00046
					-.00018

RUN NO. 378/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
4.144	-8.803	1.24928	-.13050	-.16415	.13148
4.212	-4.396	1.24990	.06459	.03202	-.01392
4.295	-.001	1.25029	.25038	.22121	-.15092
4.219	4.335	1.24948	.39094	.36185	-.24996
	GRADIENT	-.00005	.03739	.03779	-.02704
					-.02724
					-.00039
					.00042
					.11652
					.12140
					.14722
					.10466
					.09137
					-.04337
					-.00082

CBL
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 .00271
 .00334
 .00018

CYN
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 .00469
 .00046

CY
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 .0012
 .00355
 .00538
 .00061

CAF
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 .00012

CA
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 .13976
 .13863
 .13699
 .00032

CLMF
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 .23179
 .02778

CLM
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 .00753
 .13974
 .24551
 .02770

CBL
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 .05055
 .04910
 .04337
 .00082

CYN
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 .11083
 .10466
 .09137
 .00223

CY
 .16239
 .15677
 .14722
 .12713
 .00339

CAF
 .10408
 .11285
 .12140
 .11652
 .00042

CA
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 .17900
 .18069
 .17557
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CLMF
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 .02724

CLM
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 .24996
 .02704

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM,PLU. OFF

(RC0009) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.715	1.24903	-.07628	-.10664	.09039	.10529	.13967	.07824	.09301	-.06010	.03790
-3.881	-3.931	1.25006	.08577	.05588	-.03025	-.01568	.13854	.07766	.08718	-.05617	.03824
-3.820	-.020	1.24974	.24013	.21123	-.14394	-.12993	.13590	.07676	.08191	-.05269	.03792
-3.869	3.842	1.24934	.37872	.35064	-.24478	-.23116	.13236	.07497	.07727	-.05053	.03650
	GRADIENT	-.00009	.03769	.03792	-.02760	-.02772	-.00079	-.00035	-.00127	.00073	-.00022

RUN NO. 504/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.821	1.24909	-.10931	-.13878	.11577	.13020	.13808	.07827	-.00294	.00165	.00094
.001	-4.978	1.24861	.01354	-.01566	.03783	.03783	.13698	.07743	-.00070	-.00013	.00180
-.001	-3.951	1.24879	.05940	.03046	-.01008	.00400	.13666	.07764	.00020	-.00088	.00208
-.000	-.068	1.25080	.21855	.19028	-.12732	-.11367	.13536	.07734	.00329	-.00347	.00296
.001	3.834	1.25052	.35692	.32870	-.22633	-.21268	.13386	.07597	.00545	-.00493	.00371
	GRADIENT	.00025	.03899	.03911	-.02841	-.02848	-.00035	-.00017	.00070	-.00055	.00022

RUN NO. 505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.901	-7.721	1.24976	-.09394	-.12649	.10382	.11976	.16467	.09863	-.14019	.09710	-.04447
3.883	-3.937	1.24963	.07080	.03894	-.01762	-.00207	.17094	.10611	-.13307	.09239	-.04383
3.818	-.025	1.25046	.23208	.20384	-.13630	-.12252	.17116	.11369	-.12041	.08393	-.04103
3.870	3.837	1.24995	.36448	.33606	-.23180	-.21795	.16456	.10668	-.10758	.07600	-.03785
	GRADIENT	.00004	.03778	.03823	-.02756	-.02777	-.00082	.00008	.00328	-.00211	.00077

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0010) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.703	1.29975	-.07331	-.10361	.08749	.10237	.14209	.08078	.09837	-.06533	.03871
-3.882	-3.926	1.29986	.08841	.05924	-.03513	-.02092	.13827	.07881	.08854	-.05761	.03776
-3.821	-.017	1.30022	.24506	.21630	-.15092	-.13698	.13690	.07804	.08267	-.05366	.03739
-3.864	3.844	1.29970	.37770	.35013	-.24651	-.23316	.13356	.07707	.07717	-.05071	.03644
	GRADIENT	-.00002	.03724	.03745	-.02721	-.02732	-.00061	-.00022	-.00146	.00089	-.00017

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.777	1.29996	-.09904	-.12822	.10617	.12037	.13998	.08046	-.00427	.00293	.00066
-.001	-3.958	1.30001	.06486	.03619	-.01737	-.00347	.13805	.07937	-.00197	.00104	.00202
-.000	-.054	1.29984	.22492	.19696	-.13565	-.12215	.13659	.07915	.00140	-.00175	.00261
.001	3.823	1.29994	.35876	.33085	-.23110	-.21762	.13542	.07810	.00349	-.00325	.00312
	GRADIENT	-.00001	.03777	.03787	-.02747	-.02752	-.00034	-.00016	.00070	-.00055	.00014

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.901	-7.723	1.30122	-.09432	-.12697	.10261	.11855	.16184	.09543	-.13517	.09382	-.04281
3.879	-3.924	1.30046	.06675	.03519	-.01731	-.00198	.16556	.10111	-.12586	.08697	-.04123
3.825	-.025	1.30031	.22853	.19902	-.13726	-.12295	.16594	.10560	-.11462	.07944	-.03909
3.868	3.832	1.29895	.36180	.33364	-.23256	-.21883	.16147	.10411	-.10215	.07145	-.03642
	GRADIENT	-.00020	.03804	.03848	-.02776	-.02796	-.00053	.00039	.00306	-.00200	.00062

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RCOO11) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 511/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.916	-7.720	1.34919	-.07496	-.10622	.08909	.10449	.14646	.08340	.09743	-.06490	.03752
-3.883	-3.931	1.34999	.07965	.05032	-.02963	-.01524	.14088	.08148	.08778	-.05730	.03621
-3.824	-.013	1.34978	.23791	.20963	-.14796	-.13417	.13788	.08031	.08100	-.05214	.03598
-3.867	3.834	1.34966	.37410	.34672	-.24612	-.23276	.13489	.07913	.07685	-.05050	.03577
	GRADIENT	-.00004	.03793	.03818	-.02789	-.02802	-.00077	-.00030	-.00141	.00088	-.00006

RUN NO. 512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.817	1.34959	-.09985	-.12890	.10606	.12028	.14267	.08376	-.00273	.00178	.00097
-.001	-3.960	1.35002	.06428	.03586	-.01871	-.00486	.13955	.08164	-.00033	-.00022	.00225
-.000	-.058	1.35006	.22440	.19708	-.13772	-.12446	.13700	.08116	.00216	-.00242	.00274
.001	3.828	1.34967	.35768	.33016	-.23256	-.21925	.13654	.08013	.00439	-.00407	.00338
	GRADIENT	-.00005	.03768	.03780	-.02746	-.02753	-.00039	-.00019	.00061	-.00049	.00015

RUN NO. 513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.904	-7.709	1.35014	-.09465	-.12695	.10206	.11781	.16058	.09480	-.13158	.09119	-.04164
3.887	-3.935	1.34908	.06292	.03137	-.01647	-.00114	.16229	.09785	-.12013	.08256	-.03932
3.818	-.024	1.34934	.22005	.18964	-.13265	-.11791	.16423	.10194	-.10693	.07364	-.03657
3.872	3.842	1.35015	.35404	.32527	-.22906	-.21507	.15842	.09970	-.09577	.06646	-.03417
	GRADIENT	.00014	.03744	.03780	-.02734	-.02751	-.00050	.00024	.00313	-.00207	.00066

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0012) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.909	-7.716	1.40024	-.07412	-.10498	.08854	.10373	.14883	.08652	.09775	-.06565	.03735
-3.886	-3.925	1.39863	.07251	.04311	-.02495	-.01056	.14256	.08294	.08985	-.05940	.03569
-3.822	-.012	1.40075	.23127	.20340	-.14504	-.13146	.13818	.08143	.08326	-.05459	.03562
-3.870	3.843	1.39988	.36945	.34213	-.24429	-.23096	.13557	.08001	.07642	-.05022	.03547
	GRADIENT	.00016	.03823	.03850	-.02824	-.02838	-.00090	-.00038	-.00173	.00118	-.00003

RUN NO. 515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.797	1.39983	-.09785	-.12678	.10425	.11840	.14492	.08620	-.00143	.00036	.00149
-.002	-4.688	1.39965	.02843	-.00017	.00690	.02085	.14172	.08348	.00067	-.00137	.00236
-.001	-3.963	1.39941	.05991	.03148	-.01703	-.00319	.14109	.08311	.00118	-.00176	.00254
-.000	-.054	1.40036	.21992	.19208	-.13670	-.12320	.13950	.08253	.00271	-.00292	.00318
.001	3.826	1.39975	.35584	.32854	-.23367	-.22044	.13729	.08137	.00439	-.00422	.00359
	GRADIENT	.00004	.03857	.03872	-.02837	-.02845	-.00050	-.00023	.00043	-.00033	.00014

RUN NO. 516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.906	-7.707	1.39963	-.09283	-.12471	.09935	.11487	.15859	.09359	-.12669	.08769	-.04010
3.880	-3.936	1.39988	.05669	.02542	-.01500	.00018	.15545	.09152	-.11275	.07686	-.03640
3.821	-.023	1.40029	.21803	.18762	-.13490	-.12018	.15826	.09595	-.10067	.06869	-.03442
3.869	3.834	1.39983	.35090	.32171	-.23026	-.21611	.15349	.09377	-.08931	.06111	-.03227
	GRADIENT	-.00001	.03788	.03814	-.02771	-.02785	-.00025	.00029	.00302	-.00203	.00053

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0013) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 557/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.703	1.39946	-.09356	-.12460	.10668	.12196	.14943	.08678	.09753	-.06508	.03807
-3.882	-3.908	1.40035	.05323	.02432	-.00727	.00693	.14203	.08356	.08913	-.05838	.03583
-3.817	-.007	1.40030	.21402	.18655	-.12912	-.11573	.13655	.08060	.08298	-.05390	.03570
-3.869	3.851	1.39984	.35299	.32608	-.22922	-.21610	.13354	.07875	.07617	-.04968	.03541
	GRADIENT	-.00007	.03864	.03889	-.02861	-.02875	-.00109	-.00062	-.00167	.00112	-.00005

RUN NO. 558/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.753	1.39969	-.11635	-.14507	.12170	.13575	.14470	.08637	-.00287	.00156	.00142
-.001	-3.911	1.40009	.04285	.01485	-.00107	.01255	.13997	.08285	.00001	-.00077	.00241
-.000	-.043	1.39974	.20354	.17613	-.12142	-.10813	.13742	.08131	.00174	-.00205	.00316
.001	3.865	1.39953	.34072	.31376	-.22002	-.20699	.13434	.07903	.00377	-.00360	.00368
	GRADIENT	-.00007	.03830	.03844	-.02815	-.02823	-.00072	-.00049	.00048	-.00036	.00016

RUN NO. 559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.900	-7.714	1.39914	-.11392	-.14451	.11853	.13341	.15914	.09670	-.13067	.09086	-.04074
3.876	-3.901	1.39954	.03929	.00951	.00130	.01573	.15494	.09398	-.11660	.07997	-.03713
3.821	-.014	1.40018	.19963	.17041	-.11810	-.10397	.15708	.09715	-.10414	.07148	-.03495
3.869	3.840	1.40017	.33374	.30518	-.21453	-.20070	.15250	.09400	-.09211	.06336	-.03250
	GRADIENT	.00008	.03804	.03820	-.02789	-.02796	-.00031	.00000	.00316	-.00215	.00060

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RCOO14) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.961	-7.775	1.54947	-.08274	-.11233	.09576	.11019	.15140	.09117	.09725	-.06595	.03631
-3.947	-3.960	1.54962	.04203	.01298	-.00181	.01238	.14365	.08457	.09055	-.06053	.03338
-3.921	.003	1.54965	.19370	.16620	-.11887	-.10546	.13595	.07996	.08300	-.05502	.03291
-3.943	3.931	1.54905	.33451	.30823	-.22212	-.20928	.13048	.07708	.07403	-.04868	.03334
	GRADIENT	-.00007	.03706	.03742	-.02792	-.02809	-.00167	-.00095	-.00209	.00150	-.00001

RUN NO. 562/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.660	1.54886	-.10389	-.13163	.11027	.12381	.14830	.09184	-.00327	.00210	.00106
.000	-3.811	1.54793	.02858	.00108	.00657	.01991	.14079	.08454	-.00084	.00001	.00159
-.000	.031	1.54912	.17830	.15057	-.10804	-.09461	.13646	.07969	.00125	-.00171	.00238
.002	3.925	1.54810	.32042	.29408	-.21153	-.19877	.13104	.07710	.00182	-.00207	.00278
	GRADIENT	.00002	.03772	.03787	-.02819	-.02826	-.00126	-.00096	.00034	-.00027	.00015

RUN NO. 563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.953	-7.796	1.54881	-.10463	-.13384	.11042	.12460	.16019	.10047	-.12465	.08704	-.03934
3.942	-3.967	1.54945	.02239	-.00705	.01083	.02509	.15045	.09014	-.10811	.07423	-.03413
3.917	.004	1.54938	.17903	.14915	-.10880	-.09437	.14693	.08556	-.09455	.06489	-.03108
3.942	3.914	1.54890	.31609	.28774	-.20876	-.19504	.14253	.08442	-.08523	.05862	-.03007
	GRADIENT	-.00007	.03727	.03741	-.02787	-.02794	-.00100	-.00073	.00290	-.00198	.00052

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0015) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-8.085	.59904	.01906	-.00011	-.01568	-.00730	.05641	.01375	.09501	-.06309	.03020
-3.996	-4.010	.60031	.14131	.12519	-.10081	-.09390	.05262	.01620	.08986	-.06011	.03057
-3.995	.005	.60000	.26474	.25120	-.18640	-.18072	.04377	.01275	.08412	-.05631	.03120
-3.992	3.979	.59905	.38898	.37823	-.27304	-.26870	.02944	.00415	.07228	-.04819	.02982
	GRADIENT	-.00016	.03100	.03168	-.02156	-.02188	-.00290	-.00151	-.00220	.00149	-.00009

RUN NO. 620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.912	.59937	-.00699	-.02172	.00386	.01011	.05154	.01803	-.00672	.00482	-.00057
.001	-3.935	.59953	.10930	.09699	-.07649	-.07134	.04915	.02091	-.00439	.00323	-.00003
.000	.075	.60063	.23375	.22388	-.16195	-.15790	.04142	.01847	-.00267	.00203	.00066
.002	4.052	.60012	.35889	.35019	-.24919	-.24576	.02927	.00848	-.00147	.00141	.00120
	GRADIENT	.00007	.03125	.03170	-.02162	-.02184	-.00249	-.00155	.00037	-.00023	.00015

RUN NO. 621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.088	.59974	.01103	-.00687	-.01357	-.00577	.05407	.01415	-.10653	.07137	-.03106
3.994	-4.003	.60071	.13451	.11942	-.09917	-.09275	.05102	.01675	-.09393	.06373	-.02994
3.989	-.046	.60050	.25194	.23922	-.17984	-.17450	.04333	.01421	-.08113	.05555	-.02790
3.995	4.001	.59978	.37118	.36103	-.26245	-.25809	.02923	.00634	-.06655	.04573	-.02474
	GRADIENT	-.00012	.02957	.03019	-.02040	-.02066	-.00273	-.00130	.00342	-.00225	.00065

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(RC0016) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 623/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .800		IEABOX = .000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.106	.79833	.02851	.00890	-.02402	-.01530	.06139	.01833	.09459	-.06246	.03073
-3.996	-4.028	.80027	.15623	.14055	-.11290	-.10609	.05505	.01998	.08860	-.05864	.03101
-3.981	-.041	.80005	.28544	.27275	-.20268	-.19730	.04522	.01735	.08237	-.05462	.03180
-4.003	3.956	.80040	.42343	.41338	-.29954	-.29538	.03260	.00937	.07268	-.04809	.03186
	GRADIENT	.00002	.03347	.03417	-.02338	-.02371	-.00281	-.00133	-.00199	.00132	.00011

RUN NO. 624/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .800		IEABOX = .000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.039	.79986	-.01555	-.03040	.00886	.01522	.05467	.02110	-.00713	.00522	-.00023
-.001	-3.920	.80022	.11123	.09886	-.07912	-.07379	.05076	.02293	-.00524	.00400	.00017
-.000	-.015	.79970	.24169	.23138	-.16940	-.16502	.04349	.02008	-.00366	.00285	.00091
-.001	4.103	.79986	.38529	.37717	-.26990	-.26653	.03091	.01214	-.00252	.00203	.00175
	GRADIENT	-.00004	.03417	.03470	-.02378	-.02403	-.00248	-.00135	.00034	-.00024	.00020

RUN NO. 625/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .800		IEABOX = .000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.982	.80000	.01890	.00090	-.02092	-.01312	.05757	.01726	-.10730	.07160	-.03137
3.997	-4.045	.80066	.14251	.12759	-.10671	-.10034	.05209	.01833	-.09564	.06455	-.03088
3.986	-.044	.79985	.26928	.25656	-.19407	-.18861	.04507	.01639	-.08157	.05551	-.02877
4.008	3.934	.79954	.39949	.38926	-.28459	-.28022	.03257	.00940	-.06897	.04677	-.02595
	GRADIENT	-.00014	.03221	.03279	-.02229	-.02254	-.00245	-.00112	.00334	-.00223	.00062

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0017) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.982	.89983	.01312	-.00583	-.01066	-.00220	.06989	.02839	.09386	-.06056	.03036
-3.998	-4.056	.90030	.14253	.12774	-.10163	-.09519	.06104	.02802	.08831	-.05748	.03063
-3.987	.020	.90002	.28948	.27743	-.20477	-.19952	.05152	.02462	.08220	-.05416	.03247
-3.998	3.995	.89986	.42943	.41986	-.30327	-.29918	.04282	.02116	.07545	-.04922	.03072
	GRADIENT	-.00005	.03564	.03629	-.02505	-.02534	-.00226	-.00085	-.00160	.00103	.00001

RUN NO. 627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.028	.89980	-.03833	-.05289	.02795	.03435	.06281	.03057	-.00593	.00379	.00011
.001	-4.401	.90058	.07797	.06584	-.05332	-.04798	.05732	.03046	-.00373	.00241	.00022
-.001	-3.941	.90024	.09373	.08195	-.06441	-.05922	.05614	.03010	-.00368	.00241	.00026
.000	.100	.89994	.24196	.23220	-.16851	-.16410	.04810	.02691	-.00183	.00104	.00092
.002	4.082	.89946	.38217	.37427	-.26633	-.26280	.04109	.02378	-.00185	.00162	.00230
	GRADIENT	-.00012	.03597	.03646	-.02519	-.02540	-.00191	-.00079	.00025	-.00012	.00024

RUN NO. 628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.983	.89940	-.00349	-.02153	-.00355	.00442	.06555	.02570	-.10766	.06993	-.03105
3.992	-4.041	.90000	.12755	.11296	-.09488	-.08853	.05876	.02615	-.09403	.06176	-.03067
3.981	.010	.90038	.27151	.25949	-.19477	-.18958	.05406	.02712	-.08489	.05738	-.03036
3.995	4.001	.89987	.40254	.39262	-.28660	-.28235	.04256	.02020	-.06821	.04500	-.02381
	GRADIENT	-.00002	.03420	.03478	-.02384	-.02410	-.00201	-.00074	.00321	-.00208	.00085

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-7.971	1.04929	-.02934	-.05061	.03402	.04386	.10072	.05540	.09235	-.05720	.03317
-4.002	-4.073	1.05081	.11881	.10124	-.07127	-.06318	.09375	.05622	.08349	-.05052	.03316
-3.996	.012	1.05059	.28249	.26686	-.18900	-.18175	.08733	.05411	.07719	-.04624	.03494
-3.995	4.001	1.04977	.43391	.42003	-.29825	-.29177	.07825	.04887	.06793	-.04014	.03154
	GRADIENT	-.00013	.03903	.03949	-.02812	-.02832	-.00192	-.00091	-.00193	.00128	-.00020

RUN NO. 634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.003	-8.060	1.04943	-.07838	-.09566	.07187	.07998	.09645	.06010	-.00433	.00232	.00103
-3.000	-4.050	1.04976	.07022	.05426	-.03379	-.02619	.09167	.05852	-.00024	-.00068	.00169
-3.001	-.021	1.04993	.23999	.22482	-.15515	-.14793	.08678	.05523	.00219	-.00235	.00222
.001	3.974	1.04975	.39231	.38017	-.26534	-.25949	.07691	.05190	.00380	-.00358	.00394
	GRADIENT	-.00000	.04015	.04062	-.02886	-.02908	-.00184	-.00082	.00050	-.00036	.00028

RUN NO. 635/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.099	1.04918	-.05571	-.07631	.04892	.05868	.09863	.05565	-.10843	.06767	-.03421
3.994	-4.091	1.05010	.11401	.09614	-.07061	-.06212	.10871	.07153	-.10732	.06852	-.03631
3.994	.015	1.05043	.28153	.26539	-.18920	-.18148	.11259	.07918	-.09920	.06398	-.03537
4.005	4.042	1.04952	.41391	.40004	-.28387	-.27735	.09314	.06397	-.07346	.04524	-.02694
	GRADIENT	-.00007	.03689	.03738	-.02623	-.02647	-.00191	-.00092	.00416	-.00286	.00115

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0020) (29 JUL 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.091	1.09559	-.06398	-.08911	.06952	.08136	.12055	.06780	.09540	-.06083	.03585
-4.003	-4.070	1.10228	.09465	.07418	-.04550	-.03585	.11104	.06813	.08723	-.05463	.03610
-3.998	.005	1.10044	.25732	.23803	-.16299	-.15386	.10581	.06547	.07977	-.04950	.03709
-3.995	3.992	1.10005	.40270	.38491	-.26840	-.25989	.09824	.06139	.07014	-.04313	.03317
	GRADIENT	-.00028	.03821	.03855	-.02765	-.02779	-.00159	-.00084	-.00212	.00142	-.00036

RUN NO. 647/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.003	-8.038	1.09824	-.10167	-.12325	.09815	.10843	.11573	.07089	-.00537	.00305	.00057
.000	-4.744	1.10085	.02233	.00262	.00895	.01840	.11071	.07004	-.00255	.00097	.00085
-.002	-3.993	1.09991	.04925	.02957	-.00995	-.00047	.11024	.06978	-.00167	.00031	.00109
-.001	-.027	1.09972	.21330	.19415	-.12784	-.11860	.10608	.06675	.00097	-.00163	.00158
.001	3.972	1.09972	.36702	.34942	-.24019	-.23157	.10033	.06463	.00334	-.00334	.00220
	GRADIENT	-.00009	.03981	.04005	-.02878	-.02887	-.00119	-.00064	.00066	-.00048	.00015

RUN NO. 639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.091	1.09788	-.08338	-.10926	.08130	.09383	.12911	.07609	-.12142	.08051	-.03845
4.001	-4.008	1.10293	.09320	.07170	-.04553	-.03512	.13561	.09152	-.11930	.07987	-.03990
3.991	-.002	1.10049	.25497	.23475	-.16132	-.15148	.13983	.09857	-.11260	.07639	-.03957
4.007	4.057	1.09956	.39059	.37219	-.25875	-.24983	.12550	.08781	-.09193	.06129	-.03321
	GRADIENT	-.00042	.03687	.03725	-.02643	-.02662	-.00126	-.00047	.00340	-.00231	.00083

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.077	1.14743	-.05098	-.06959	.05723	.06588	.11248	.07302	.09352	-.05969	.03513
-4.002	-4.057	1.15075	.12148	.10567	-.06951	-.06210	.10675	.07345	.08622	-.05461	.03722
-3.997	.006	1.15067	.28053	.26591	-.18502	-.17814	.10380	.07313	.08096	-.05086	.03696
-3.996	3.995	1.14965	.41871	.40527	-.28398	-.27762	.09683	.06873	.07039	-.04303	.03321
	GRADIENT	-.00014	.03692	.03721	-.02664	-.02677	-.00123	-.00058	-.00196	.00144	-.00050

RUN NO. 641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.052	1.14870	-.08962	-.10522	.08684	.09425	.10938	.07689	-.00584	.00374	.00061
-4.000	-4.044	1.15147	.07643	.06242	-.03426	-.02749	.10448	.07570	-.00152	.00055	.00149
-3.999	-.013	1.15052	.24429	.23049	-.15598	-.14928	.10390	.07569	.00190	-.00214	.00243
-3.997	3.967	1.14962	.38520	.37259	-.25761	-.25141	.09822	.07274	.00374	-.00341	.00265
	GRADIENT	-.00023	.03855	.03873	-.02789	-.02796	-.00078	-.00037	.00066	-.00049	.00015

RUN NO. 642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-8.076	1.14787	-.07077	-.08995	.06954	.07880	.12198	.08260	-.12178	.08055	-.03881
-3.999	-4.007	1.15078	.11628	.09945	-.06554	-.05740	.13590	.10139	-.12696	.08653	-.04327
-3.990	-.006	1.15041	.27060	.25499	-.17617	-.16857	.13837	.10655	-.11372	.07758	-.03994
-4.009	4.056	1.15001	.40224	.38834	-.26992	-.26315	.12538	.09704	-.09053	.06017	-.03287
	GRADIENT	-.00010	.03546	.03582	-.02534	-.02551	-.00131	-.00054	.00452	-.00327	.00129

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.930	1.24873	-.04269	-.05995	.05301	.06109	.11930	.08290	.09367	-.06015	.03679
-4.008	-4.025	1.25004	.12520	.10961	-.07292	-.06560	.11504	.08228	.08668	-.05513	.03692
-3.992	.009	1.24993	.28011	.26588	-.18625	-.17947	.11226	.08269	.08090	-.05111	.03678
-3.995	3.989	1.24984	.41642	.40356	-.28497	-.27875	.10761	.08123	.07458	-.04748	.03447
	GRADIENT	-.00003	.03635	.03669	-.02647	-.02660	-.00093	-.00013	-.00151	.00095	-.00030

RUN NO. 645/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.056	1.24957	-.08140	-.09594	.08206	.08901	.11443	.08430	-.00464	.00272	.00047
-.002	-4.049	1.25053	.09000	.07618	-.04607	-.03937	.11252	.08423	-.00086	.00027	.00146
-.001	-.039	1.25021	.25301	.23950	-.16484	-.15825	.11225	.08479	.00261	.00313	.00244
.001	3.969	1.24972	.39154	.37906	-.26394	-.25779	.10860	.08343	.00452	.00433	.00297
	GRADIENT	-.00010	.03761	.03777	-.02717	-.02724	-.00049	-.00010	.00067	-.00051	.00019

RUN NO. 646/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.075	1.24900	-.06600	-.08490	.06730	.07640	.13211	.09318	-.13059	.08844	-.04198
3.997	-4.072	1.25022	.10989	.09277	-.06276	-.05449	.13790	.10272	-.12352	.08375	-.04156
3.991	.011	1.25037	.27097	.25555	-.17911	-.17160	.14197	.11051	-.11158	.07568	-.03903
4.006	4.072	1.25005	.39826	.38494	-.26976	-.26320	.13101	.10411	-.09542	.06478	-.03441
	GRADIENT	-.00002	.03542	.03588	-.02542	-.02563	-.00084	.00017	.00345	-.00233	.00088

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 23

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(RC0023) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 469/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.752	1.24896	-.02477	-.03157	.03331	.03626	.09884	.08363	.08902	-.05633	.03452
-3.883	-3.966	1.24974	.13587	.12970	-.08653	-.08363	.09601	.08304	.08118	-.05068	.03441
-3.823	-.044	1.24951	.28339	.27829	-.19430	-.19167	.09377	.08392	.07449	-.04594	.03379
-3.881	3.874	1.25024	.41314	.40891	-.28720	-.28492	.08987	.08207	.06975	-.04334	.03192
	GRADIENT	.00006	.03537	.03562	-.02560	-.02568	-.00078	-.00012	-.00146	.00094	-.00032

RUN NO. 470/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.810	1.24994	-.06066	-.06634	.06053	.06322	.09679	.08494	-.00390	.00228	.00057
-.002	-5.054	1.24959	.05319	.04775	-.02446	-.02174	.09533	.08450	-.00098	-.00004	.00155
-.001	-3.992	1.24980	.09889	.09359	-.05814	-.05545	.09498	.08457	.00005	-.00087	.00177
-.000	-.081	1.24967	.25748	.25232	-.17377	-.17110	.09471	.08475	.00299	-.00334	.00272
-.002	3.806	1.24985	.38686	.38286	-.26568	-.26355	.09057	.08306	.00503	-.00476	.00355
	GRADIENT	.00001	.03693	.03710	-.02662	-.02669	-.00057	-.00019	.00064	-.00050	.00023

RUN NO. 471/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.911	-7.815	1.25028	-.04285	-.05095	.04225	.04616	.10631	.08964	-.11480	.07566	-.03767
3.870	-3.929	1.24974	.12232	.11560	-.07784	-.07452	.11622	.10269	-.11271	.07504	-.03821
3.821	-.051	1.25040	.26866	.26355	-.18356	-.18101	.11706	.10690	-.09932	.06569	-.03489
3.884	3.839	1.24948	.39212	.38763	-.27163	-.26938	.10632	.09740	-.08563	.05687	-.03099
	GRADIENT	-.00003	.03473	.03502	-.02494	-.02508	-.00128	-.00068	.00348	-.00234	.00093

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RC0024) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 476/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.918	-7.746	1.29384	-.02476	-.03246	.03348	.03686	.10277	.08568	.09413	-.06143	.03559
-3.884	-3.963	1.29955	.13467	.12755	-.08682	-.08341	.09939	.08464	.08328	-.05292	.03441
-3.819	-.037	1.29903	.28581	.27980	-.19806	-.19498	.09731	.08563	.07666	-.04816	.03394
-3.870	3.822	1.29996	.40799	.40269	-.28464	-.28183	.09423	.08428	.06991	-.04377	.03208
	GRADIENT	.00005	.03512	.03535	-.02542	-.02549	-.00066	-.00004	-.00172	.00118	-.00030

RUN NO. 477/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.770	1.29889	-.05942	-.06604	.05932	.06251	.10161	.08798	-.00489	.00333	.00031
-.001	-3.984	1.30015	.10021	.09400	-.06047	-.05729	.09941	.08735	-.00209	.00108	.00165
-.001	-.043	1.30019	.25480	.24888	-.17371	-.17059	.09882	.08762	.00138	-.00183	.00249
.001	3.847	1.29952	.38318	.37812	-.26464	-.26198	.09515	.08555	.00355	-.00346	.00308
	GRADIENT	-.00008	.03614	.03628	-.02608	-.02614	-.00054	-.00023	.00072	-.00058	.00018

RUN NO. 478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.912	-7.771	1.29961	-.04695	-.05650	.04733	.05202	.11687	.09756	-.12953	.08862	-.04031
3.887	-3.965	1.29975	.11127	.10350	-.06986	-.06597	.12082	.10537	-.11978	.08131	-.03877
3.823	-.049	1.29944	.26268	.25650	-.18004	-.17693	.12317	.11096	-.10692	.07226	-.03589
3.886	3.861	1.29943	.38857	.38314	-.26911	-.26635	.11633	.10570	-.09467	.06423	-.03290
	GRADIENT	-.00004	.03543	.03573	-.02546	-.02561	-.00057	.00004	.00321	-.00218	.00075

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(RC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 482/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.914	-7.751	1.34965	-.02944	-.03721	.03759	.04105	.10570	.08866	.03357	-.06131	.03467
-3.882	-3.957	1.34968	.12377	.11616	-.07919	-.07555	.10298	.08718	.08297	-.05297	.03317
-3.822	-.040	1.34968	.27514	.26889	-.19155	-.18834	.09987	.08774	.07552	-.04725	.03288
-3.866	3.826	1.35009	.40357	.39808	-.28264	-.27976	.09716	.08678	.07127	-.04525	.03258
	GRADIENT	.00005	.03595	.03623	-.02615	-.02624	-.00075	-.00005	-.00150	.00099	-.00008

RUN NO. 483/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.782	1.35008	-.06319	-.07013	.06224	.05557	.10508	.09070	-.00326	.00215	.00055
-.001	-3.921	1.34986	.09799	.09140	-.05970	-.05630	.10208	.08936	-.00049	-.00006	.00188
-.001	2.4854	1.35025	.24854	.24211	-.17019	-.16681	.10136	.08923	.00213	-.00237	.00261
.001	3.807	1.35003	.37593	.37075	-.26010	-.25738	.09836	.08856	.00413	-.00396	.00326
	GRADIENT	.00002	.03597	.03615	-.02593	-.02602	-.00048	-.00010	.00060	-.00050	.00018

RUN NO. 485/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.902	-7.781	1.34932	-.05174	-.06156	.05128	.05607	.11870	.09870	-.12616	.08617	-.03922
3.886	-3.958	1.34994	.10561	.09739	-.06709	-.06302	.11867	.10216	-.11335	.07631	-.03651
3.821	-.044	1.35008	.25568	.24912	-.17694	-.17365	.12080	.10775	-.10080	.06778	-.03381
3.889	3.882	1.34999	.38166	.37586	-.26537	-.26242	.11721	.10586	-.08857	.05957	-.03098
	GRADIENT	.00001	.03521	.03552	-.02529	-.02543	-.00019	.00047	.00316	-.00213	.00070

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSM + S1,3

(RC0026) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .000	-1.097	1.39992	.21028	.20331	-.14403	-.14038	.10351	.09030	.00290	-.00291	.00330
-3.909	-7.739	1.39998	-.03274	-.04028	.04064	.04403	.10539	.09209	.09405	-.06216	.03448
-3.879	-3.951	1.39942	.11310	.10526	-.07105	-.06730	.10539	.08914	.08524	-.05526	.03291
-3.821	-.037	1.39999	.26625	.25987	-.18613	-.18288	.10111	.08863	.07871	-.05042	.03320
-3.873	3.836	1.39938	.39647	.39003	-.27828	-.27492	.09930	.08701	.07136	-.04545	.03280
	GRADIENT	-.00000	.03640	.03658	-.02662	-.02667	-.00078	-.00027	-.00178	.00126	-.00001

RUN NO. 490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .002	-7.842	1.39992	-.06615	-.07367	.06511	.06874	.10851	.09304	-.00150	.00029	.00127
- .002	-4.751	1.40005	.05610	.04872	-.02873	-.02498	.10515	.09068	.00050	-.00133	.00221
- .001	-3.983	1.39979	.08944	.08213	-.05401	-.05027	.10476	.09058	.00112	-.00182	.00239
- .000	-.079	1.40003	.24309	.23582	-.16764	-.16386	.10394	.08998	.00252	-.00288	.00314
.001	3.816	1.39962	.37143	.36521	-.25811	-.25487	.10091	.08901	.00392	-.00391	.00344
	GRADIENT	-.00003	.03689	.03701	-.02685	-.02690	-.00047	-.00019	.00038	-.00029	.00015

RUN NO. 492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.905	-7.754	1.39981	-.05251	-.06199	.05053	.05514	.11450	.09515	-.11793	.07995	-.03692
3.885	-3.953	1.39990	.09681	.08833	-.06275	-.05857	.11185	.09476	-.10413	.06909	-.03339
3.825	-.033	1.39959	.25050	.24362	-.17642	-.17298	.11380	.10012	-.09242	.06111	-.03144
3.874	3.829	1.39955	.37477	.36836	-.26315	-.25991	.11197	.09937	-.08021	.05287	-.02893
	GRADIENT	-.00005	.03572	.03599	-.02576	-.02588	.00002	.00059	.00307	-.00208	.00057

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + 51.3

(RC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.780	1.39933	-.05602	-.06326	.06181	.06500	.10935	.09333	.09288	-.06111	.03498
-3.882	-3.930	1.39999	.09048	.08338	-.05082	-.04745	.10469	.08991	.08400	-.05402	.03268
-3.821	-.026	1.40021	.24650	.24085	-.16867	-.16581	.09985	.08878	.07732	-.04898	.03278
-3.869	3.845	1.39979	.37862	.37280	-.26247	-.25944	.09777	.08662	.06980	-.04395	.03233
	GRADIENT	-.00003	.03706	.03723	-.02722	-.02727	-.00089	-.00042	-.00183	.00130	-.00004

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.769	1.39978	-.08451	-.09182	.08254	.08608	.10921	.09426	-.00425	.00237	.00086
-.002	-3.957	1.40001	.07316	.06639	-.03903	-.03554	.10397	.09087	-.00077	-.00032	.00201
-.000	-.080	1.39964	.22652	.22008	-.15276	-.14942	.10181	.08946	.00079	-.00151	.00283
.001	3.829	1.39998	.35572	.34998	-.24372	-.24076	.09970	.08864	.00263	-.00290	.00322
	GRADIENT	-.00000	.03629	.03642	-.02629	-.02635	-.00055	-.00029	.00044	-.00033	.00016

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.903	-7.736	1.39982	-.07082	-.07973	.06780	.07206	.11357	.09511	-.11623	.07833	-.03648
3.885	-3.948	1.40007	.07818	.07033	-.04578	-.04194	.11045	.09452	-.10292	.06797	-.03319
3.820	-.037	1.40016	.23328	.22690	-.16078	-.15758	.11129	.09859	-.09062	.05946	-.03099
3.869	3.836	1.40006	.35725	.35148	-.24767	-.24478	.10843	.09700	-.07820	.05105	-.02845
	GRADIENT	-.00000	.03586	.03613	-.02594	-.02607	-.00026	.00032	.00317	-.00217	.00061

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RC0028) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 545/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550 IEABOX = .000 IB-ELV = 10.000 OB-ELV = -5.000					
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.962	-7.796	1.54820	-.05058	-.05785	.05686	.06014	.11422	.09843	.09475	-.06355	.03445
-3.955	-3.993	1.54865	.07492	.06725	-.04118	-.03740	.10703	.09158	.08745	-.05761	.03130
-3.920	-.015	1.54981	.21756	.21156	-.15001	-.14690	.10021	.08868	.07854	-.05113	.03067
-3.940	3.920	1.54871	.35195	.34559	-.24740	-.24405	.09658	.08454	.07022	-.04528	.03158
	GRADIENT	.00001	.03501	.03518	-.02606	-.02612	-.00132	-.00089	-.00218	.00156	.00004
RUN NO. 546/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00							
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.730	1.54929	-.08081	-.08842	.07942	.08306	.11537	.09963	.00465	.00301	.00045
-.001	-3.849	1.54949	.05183	.04528	-.02497	-.02159	.10619	.09359	-.00159	.00048	.00105
.000	.046	1.54950	.19869	.19154	-.13606	-.13236	.10280	.08906	-.00021	-.00070	.00181
.001	3.940	1.54863	.33319	.32673	-.23223	-.22889	.09918	.08674	.00086	-.00136	.00249
	GRADIENT	-.00011	.03612	.03613	-.02661	-.02661	-.00090	-.00088	.00031	-.00024	.00018
RUN NO. 547/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00							
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.955	-7.807	1.54938	-.07199	-.08021	.06948	.07343	.11843	.10150	-.11254	.07653	-.03586
3.936	-3.969	1.54907	.05574	.04756	-.03066	-.02670	.10820	.09143	-.09707	.06460	-.03096
3.921	-.018	1.54996	.20262	.19534	-.14235	-.13878	.10441	.08964	-.08474	.05623	-.02833
3.944	3.917	1.54854	.33344	.32637	-.23507	-.23157	.10341	.08921	-.07568	.05021	-.02738
	GRADIENT	-.00007	.03521	.03535	-.02592	-.02598	-.00061	-.00028	.00271	-.00183	.00045

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0029) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-8.097	.60140	-.01368	-.03897	.01342	.02607	.06568	.01545	.09396	-.06211	.03099
-3.997	-4.006	.60081	-.11440	-.08944	-.07602	-.06355	.06514	.01544	.08814	-.05855	.03100
-3.993	.002	.60042	.24101	.21735	-.16387	-.15205	.05951	.01240	.08406	-.05628	.03189
-3.999	3.992	.59946	.37059	.34739	-.25401	-.24242	.04875	.00253	.07361	-.04940	.03074
	GRADIENT	-.00017	.03203	.03225	-.02225	-.02236	-.00205	-.00161	-.00182	.00114	-.00003

RUN NO. 690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.016	.59885	-.03593	-.06003	.03015	.04218	.06320	.01515	-.00733	.00531	-.00022
-.001	-3.931	.59977	.08508	.06250	-.05371	-.04245	.06331	.01829	-.00459	.00335	.00045
.001	.067	.60103	.21171	.19006	-.14068	-.12986	.05846	.01532	-.00358	.00273	.00084
.003	4.044	.60053	.34097	.32003	-.23040	-.21995	.04807	.00630	-.00246	.00212	.00147
	GRADIENT	.00010	.03209	.03229	-.02216	-.02226	-.00191	-.00150	.00027	-.00015	.00013

RUN NO. 691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.044	.59925	-.02108	-.04733	.01561	.02878	.06513	.01311	-.10729	.07197	-.03150
3.997	-4.007	.60110	.10597	.08132	-.07273	-.06040	.06488	.01588	-.09439	.06393	-.03007
3.994	-.036	.60055	.22761	.20411	-.15682	-.14506	.05898	.01224	-.08213	.05622	-.02811
3.998	3.976	.60007	.35235	.32967	-.24317	-.23180	.04820	.00320	-.06880	.04750	-.02515
	GRADIENT	-.00013	.03086	.03111	-.02135	-.02147	-.00209	-.00159	.00321	-.00206	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RCD030) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 693/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .800 IEABOX = .000 IB-ELV = 10.000 OB-ELV = 9.000				
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.984	.79890	-.00844	-.03576	.02424	.07482	.02006	.09717	-.06437	.03297
-4.000	-4.038	.80032	.12351	.09794	-.08244	.07137	.01996	.09137	-.06069	.03301
-3.986	-.039	.80015	.25949	.23523	-.17737	.06454	.01574	.08542	-.05713	.03379
-3.996	3.995	.79964	.40954	.38591	-.28288	.05439	.00663	.07642	-.05146	.03393
	GRADIENT	-.00008	.03561	.03585	-.02495	-.00211	-.00166	-.00186	.00115	.00011
RUN NO. 694/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.033	.80013	-.04755	-.07299	.03969	.07139	.02029	-.00660	.00455	.00049
.001	-4.031	.79996	.08071	.05636	-.05007	.06949	.02055	-.00510	.00370	.00065
.001	.106	.79991	.22544	.20250	-.15077	.06343	.01743	-.00363	.00275	.00120
-.001	4.095	.79923	.37092	.34911	-.25297	.05294	.00936	-.00280	.00231	.00210
	GRADIENT	-.00009	.03571	.03602	-.02496	-.00203	-.00137	.00028	-.00017	.00018
RUN NO. 695/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.007	.79982	-.02300	-.05068	.01752	.07315	.01771	-.11021	.07387	-.03282
3.997	-4.044	.80033	.10887	.08301	-.06223	.07017	.01827	-.09770	.06628	-.03199
3.980	-.029	.80016	.24354	.21975	-.15720	.06416	.01649	-.08670	.05971	-.03064
3.996	3.991	.79997	.38251	.35892	-.26531	.05581	.00861	-.07343	.05059	-.02762
	GRADIENT	-.00004	.03406	.03434	-.02368	-.00179	-.00120	.00302	-.00195	.00054

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0031) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 696/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.110	.89974	-.04572	-.07495	.04489	.05931	.09167	.03283	.09672	-.06243	.03226
-3.998	-4.063	.90028	.09962	.07260	-.05940	-.04609	.08484	.03032	.09160	-.06012	.03298
-3.997	-.003	.90003	.25345	.22787	-.16931	-.15673	.07670	.02498	.08578	-.05696	.03484
-3.994	3.987	.89990	.40622	.38176	-.27807	-.26600	.07021	.02093	.07750	-.05101	.03409
	GRADIENT	-.00005	.03808	.03840	-.02716	-.02732	-.00182	-.00117	-.00175	.00113	.00014

RUN NO. 697/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.029	.90008	-.08922	-.11676	.07831	.09191	.08774	.03233	-.00646	.00415	.00019
.001	-4.518	.90034	.03435	.00859	-.01006	.00266	.08287	.03101	-.00390	.00224	.00037
.001	-3.909	.89985	.05541	.02987	-.02533	-.01271	.08150	.03011	-.00374	.00219	.00028
.000	.103	.89968	.20832	.18461	-.13462	-.12292	.07464	.02687	-.00212	.00120	.00119
-.001	4.092	.89939	.36216	.33980	-.24405	-.23300	.06745	.02249	-.00222	.00173	.00266
	GRADIENT	-.00009	.03815	.03855	-.02723	-.02742	-.00177	-.00096	.00021	-.00008	.00027

RUN NO. 698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.990	-7.954	.89988	-.05757	-.08753	.04945	.06412	.09125	.03047	-.11172	.07357	-.03344
3.998	-4.033	.89991	.08493	.05797	-.05274	-.03940	.08420	.03005	-.09871	.06582	-.03293
3.985	.040	.90010	.24076	.21572	-.16311	-.15074	.08190	.03156	-.09108	.06214	-.03203
3.998	3.996	.89956	.37938	.35491	-.26144	-.24935	.07078	.02156	-.07359	.04948	-.02650
	GRADIENT	-.00004	.03669	.03700	-.02600	-.02616	-.00167	-.00105	.00312	-.00203	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0032) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 702/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.981	.94848	-.06068	-.09151	.06252	.07770	.10885	.04663	.09742	-.06297	.03271
-3.997	-4.043	.94957	.08515	.05586	-.04299	-.02871	.10263	.04300	.09103	-.05883	.03280
-3.996	.000	.95062	.24069	.21318	-.15531	-.14191	.09432	.03829	.08167	-.05220	.03343
-3.993	4.003	.94872	.40464	.37817	-.27419	-.26126	.08619	.03236	.07378	-.04743	.03364
	GRADIENT	-.00010	.03971	.04006	-.02873	-.02890	-.00204	-.00132	-.00214	.00142	.00010

RUN NO. 703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.031	.95034	-.10805	-.13739	.09909	.11345	.10644	.04691	-.00688	.00427	.00040
-.001	-4.034	.95016	.03663	.00921	-.00592	.00749	.09970	.04403	-.00370	.00203	.00058
-.000	.081	.95029	.19243	.16670	-.11838	-.10581	.09141	.03913	-.00030	-.00050	.00153
.002	3.977	.94852	.35226	.32777	-.23421	-.22221	.08230	.03268	.00054	-.00113	.00298
	GRADIENT	-.00020	.03938	.03975	-.02848	-.02866	-.00217	-.00142	.00053	-.00040	.00030

RUN NO. 704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.936	.94976	-.07821	-.11016	.07146	.08700	.10956	.04437	-.11479	.07546	-.03438
3.997	-4.041	.95000	.06635	.03611	-.03230	-.01754	.10623	.04470	-.10290	.06797	-.03388
3.984	.083	.95122	.22982	.20176	-.14901	-.13532	.10467	.04756	-.09136	.06109	-.03187
3.998	3.998	.94875	.37279	.34657	-.25303	-.24011	.08885	.03598	-.07428	.04896	-.02678
	GRADIENT	-.00015	.03813	.03863	-.02746	-.02769	-.00215	-.00107	.00355	-.00236	.00088

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0033) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 705/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.100	1.04694	-.09639	-.13087	.10146	.11839	.13097	.06119	.09707	-.06221	.03749
-3.998	-4.067	1.05194	.06914	.03518	-.01865	-.00226	.12538	.05559	.09023	-.05726	.03812
-4.000	.004	1.05033	.23712	.20487	-.14029	-.12480	.12034	.05378	.08394	-.05277	.03960
-4.002	4.046	1.04974	.39442	.36351	-.25471	-.23995	.11184	.04773	.07365	-.04579	.03571
	GRADIENT	-.00027	.04009	.04047	-.02910	-.02930	-.00167	-.00097	-.00204	.00141	-.00030

RUN NO. 706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.041	1.04966	-.12410	-.15732	.12188	.13811	.12820	.06064	-.00443	.00254	.00126
-.001	-4.038	1.05110	.03412	.00254	.00773	.02302	.12211	.05741	-.00065	-.00034	.00187
-.000	-.031	1.05049	.19936	.16901	-.11119	-.09652	.11757	.05528	.00228	-.00238	.00248
-.001	3.976	1.04941	.35386	.32431	-.22245	-.20815	.11167	.05112	.00486	-.00436	.00338
	GRADIENT	-.00021	.03990	.04015	-.02872	-.02885	-.00130	-.00079	.00069	-.00050	.00019

RUN NO. 707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.024	1.04955	-.10836	-.14531	.10913	.12689	.14704	.07082	-.13752	.09320	-.04313
4.001	-4.073	1.05167	.07033	.03558	-.01907	-.00231	.15699	.08552	-.13588	.09324	-.04482
3.995	.015	1.05073	.24542	.21268	-.14512	-.12929	.16149	.09437	-.12689	.08802	-.04377
4.006	4.070	1.04946	.38411	.35360	-.24461	-.22979	.14480	.08249	-.09793	.06596	-.03466
	GRADIENT	-.00027	.03854	.03906	-.02770	-.02794	-.00149	-.00037	.00466	-.00335	.00125

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0034) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 TB-ELV = 10.000 DB-ELV = 9.000

RUN NO. 709/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.097	1.09825	-.11586	-.15651	.12493	.14475	.15004	.06730	.09755	-.06297	.03817
-3.999	-4.092	1.10069	.04434	.00566	.00806	.02680	.14415	.06493	.09090	-.05836	.03889
-3.997	.002	1.10007	.21370	.17684	-.11579	-.09798	.13841	.06272	.08475	-.05443	.04046
-4.003	4.046	1.09984	.36975	.33549	-.23125	-.21481	.12864	.05792	.07549	-.04873	.03707
	GRADIENT	-.00010	.03999	.04053	-.02941	-.02969	-.00191	-.00086	-.00189	.00118	-.00022

RUN NO. 710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.052	1.09977	-.14621	-.18487	.14710	.16589	.14735	.06845	-.00612	.00371	.00050
-.001	-4.747	1.10062	-.01634	-.05326	.05291	.07080	.14275	.06716	-.00414	.00231	.00059
.001	-4.031	1.10002	.01145	-.02512	.03262	.05031	.14056	.06554	-.00321	.00155	.00083
-.000	.022	1.09973	.18277	.14732	-.09189	-.07483	.13671	.06370	.00015	-.00074	.00146
-.001	3.969	1.09937	.33533	.30063	-.20359	-.18694	.13186	.06020	.00280	-.00271	.00234
	GRADIENT	-.00012	.04058	.04083	-.02958	-.02972	-.00118	-.00073	.00079	-.00056	.00019

RUN NO. 711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.017	1.09938	-.12952	-.17203	.13442	.15504	.16984	.08289	-.14028	.09667	-.04375
3.999	-4.058	1.10113	.04871	.01023	.00419	.02295	.17516	.09680	-.14017	.09805	-.04594
3.991	.013	1.09997	.22417	.18745	-.12348	-.10557	.17956	.10482	-.13491	.09591	-.04617
4.001	4.049	1.09976	.36317	.32867	-.22452	-.20766	.16682	.09670	-.11422	.08110	-.04009
	GRADIENT	-.00017	.03879	.03928	-.02822	-.02845	-.00102	-.00001	.00320	-.00209	.00072

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0035) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-8.109	1.14863	-.09775	-.13179	.10789	.12449	.14149	.07221	.09553	-.06144	.03790
-4.014	-3.951	1.15025	.07863	.04580	-.02178	-.00584	.13828	.07120	.08631	-.05560	.03939
-4.002	-.010	1.15002	.24137	.20943	-.14081	-.12534	.13624	.07079	.07899	-.05121	.03810
-3.985	3.994	1.15008	.38874	.35806	-.24828	-.23350	.12973	.06656	.07000	-.04523	.03513
	GRADIENT	-.00002	.03902	.03929	-.02850	-.02865	-.00108	-.00058	-.00205	.00131	-.00054

RUN NO. 713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.054	1.15071	-.13138	-.16377	.13314	.14893	.13960	.07361	-.00227	.00158	.00197
.000	-4.050	1.15025	.03938	.00804	.00786	.02305	.13551	.07137	.00001	-.00002	.00239
-.001	.035	1.15054	.20636	.17576	-.11438	-.09964	.13415	.07117	.00287	-.00228	.00315
.001	3.967	1.14941	.35581	.32558	-.22342	-.20897	.13083	.06820	.00436	-.00347	.00322
	GRADIENT	-.00010	.03947	.03961	-.02885	-.02894	-.00058	-.00040	.00054	-.00043	.00010

RUN NO. 714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.026	1.14983	-.11555	-.15168	.12179	.13932	.16380	.08994	-.13963	.09601	-.04393
3.999	-4.101	1.15064	.06943	.03599	-.01435	.00194	.17367	.10553	-.14419	.10174	-.04796
3.996	.014	1.15079	.23433	.20210	-.13402	-.11830	.17619	.11055	-.13190	.09365	-.04505
4.001	4.076	1.15045	.37759	.34710	-.23828	-.22335	.16521	.10336	-.11183	.07935	-.03962
	GRADIENT	-.00002	.03769	.03805	-.02739	-.02756	-.00103	-.00026	.00396	-.00274	.00102

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0036) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 715/ 0		RN/L = 2.49		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.250 IEABOX = .000		IB-ELV = 10.000 OB-ELV = 9.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.950	1.24977	-.07287	-.10312	.08718	.10202	.14163	.08038	.09725	-.06341	.03961
-3.998	-4.016	1.25006	.09069	.06085	-.03458	-.02001	.14047	.07978	.08727	-.05655	.03832
-3.993	-.005	1.24954	.25327	.22407	-.15396	-.13977	.13962	.08001	.07984	-.05219	.03714
-3.999	4.098	1.24978	.39736	.36958	-.25903	-.24554	.13468	.07789	.07242	-.04771	.03507
	GRADIENT	-.00003	.03779	.03804	-.02765	-.02779	-.00072	-.00023	-.00183	.00109	-.00040

RUN NO. 716/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.250 IEABOX = .000		IB-ELV = 10.000 OB-ELV = 9.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.088	1.25029	-.11134	-.14065	.11684	.13118	.13985	.08037	-.00058	.00015	.00220
.000	-4.058	1.25062	.05589	.02724	-.00851	.00544	.13860	.08018	.00241	-.00219	.00309
-.001	-.021	1.24932	.22523	.19727	-.13270	-.11919	.13739	.08003	.00458	-.00413	.00361
-.002	3.962	1.25022	.36379	.33648	-.23311	-.21997	.13430	.07803	.00625	-.00529	.00394
	GRADIENT	-.00005	.03840	.03857	-.02801	-.02811	-.00054	-.00027	.00048	-.00039	.00011

RUN NO. 717/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.250 IEABOX = .000		IB-ELV = 10.000 OB-ELV = 9.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.064	1.24976	-.10155	-.13480	.10906	.12530	.16492	.09733	-.14210	.09847	-.04525
4.004	-4.025	1.25022	.07281	.04117	-.02043	-.00499	.16998	.10557	-.13445	.09349	-.04440
3.996	.006	1.25048	.23699	.20763	-.14116	-.12680	.17081	.11120	-.12302	.08579	-.04210
3.996	3.982	1.24936	.36828	.33916	-.23506	-.22090	.16531	.10591	-.10768	.07601	-.03808
	GRADIENT	-.00011	.03691	.03723	-.02681	-.02697	-.00058	.00005	.00334	-.00218	.00079

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0037) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.992	1.24925	-.08668	-.11696	.09907	.11397	.14126	.08012	.10072	-.06566	.04086
-4.010	-3.922	1.25043	.08335	.05398	-.02795	-.01362	.13890	.07914	.09076	-.05880	.04004
-4.004	-.009	1.24997	.24456	.21576	-.14644	-.13243	.13802	.07921	.08304	-.05425	.03869
-3.995	4.008	1.24999	.38573	.35822	-.24977	-.23642	.13277	.07647	.07461	-.04907	.03614
	GRADIENT	-.00005	.03812	.03835	-.02796	-.02809	-.00078	-.00034	-.00204	.00123	-.00049

RUN NO. 1450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.084	1.24949	-.12156	-.15059	.12563	.13984	.13876	.07986	-.00001	-.00023	.00245
-.002	-5.129	1.25045	-.00062	-.02928	.03519	.04916	.13812	.07973	.00199	-.00177	.00317
.000	-3.995	1.25018	.04936	.02098	-.00190	.01190	.13744	.07952	.00301	-.00260	.00340
-.001	-.042	1.24997	.21217	.18470	-.12212	-.10884	.13514	.07877	.00516	-.00444	.00398
-.002	3.992	1.24976	.35474	.32769	-.22535	-.21236	.13269	.07688	.00732	-.00601	.00460
	GRADIENT	-.00005	.03822	.03839	-.02797	-.02807	-.00059	-.00033	.00054	-.00043	.00015

RUN NO. 1451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.028	1.24963	-.10923	-.14195	.11509	.13107	.15831	.09177	-.12707	.08657	-.04186
4.002	-4.013	1.25004	.06181	.03077	-.01172	.00343	.16284	.09966	-.11921	.08137	-.04108
3.995	.026	1.25013	.22508	.19639	-.13175	-.11774	.16361	.10528	-.10548	.07267	-.03835
4.004	4.077	1.24967	.36084	.33222	-.22948	-.21557	.15765	.09921	-.09355	.06473	-.03521
	GRADIENT	-.00005	.03696	.03726	-.02692	-.02707	-.00064	-.00006	.00317	-.00206	.00073

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0038) (13 APR 92)

REFERENCE DATA										PARAMETRIC DATA									
SREF =	2690.0000	SQ.FT.	XMRP =	976.0000	IN. XT					MACH =	1.300	IEABOX =	.000						
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YT					IB-ELV =	10.000	OB-ELV =	5.000						
BREF =	936.6800	INCHES	ZMRP =	400.0000	IN. ZT														
SCALE =	.0300																		
RUN NO. 1453/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL								
-3.996	-8.050	1.29971	.08225	-.11186	.09481	.10936	.14213	.08225	.10321	-.06822	.04077								
-4.007	-3.922	1.30006	.08731	.05882	-.03353	-.01961	.13916	.08128	.09102	-.05919	.03933								
-4.003	-.012	1.29967	.24614	.21800	-.15064	-.13698	.13861	.08112	.08163	-.05277	.03768								
-4.000	3.996	1.29996	.38352	.35648	-.25057	-.23746	.13442	.07910	.07354	-.04801	.03583								
	GRADIENT	-.00001	.03740	.03758	-.02740	-.02750	-.00060	-.00028	-.00221	.00141	-.00044								
RUN NO. 1454/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL								
.001	-8.090	1.30024	-.11325	-.14166	.11754	.13142	.14031	.08254	-.00068	.00052	.00210								
.000	-4.067	1.30022	.05216	.02413	-.00701	.00662	.13865	.08138	.00045	-.00034	.00306								
-.000	-.045	1.29983	.21816	.19093	-.12991	-.11675	.13679	.08090	.00354	-.00299	.00370								
-.002	3.989	1.29995	.35694	.33016	-.23000	-.21713	.13483	.07964	.00541	-.00436	.00403								
	GRADIENT	-.00003	.03783	.03798	-.02768	-.02777	-.00047	-.00022	.00062	-.00050	.00012								
RUN NO. 1455/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL								
4.000	-8.036	1.29898	-.10728	-.13964	.11231	.12809	.15587	.09000	-.12364	.08463	-.04046								
4.002	-4.019	1.30005	.05908	.02810	-.01242	.00263	.15787	.09460	-.11379	.07738	-.03886								
3.996	.008	1.29998	.22400	.19625	-.13520	-.12169	.15673	.10018	-.10200	.06927	-.03656								
4.000	3.980	1.29954	.35563	.32727	-.22880	-.21503	.15435	.09635	-.08969	.06151	-.03398								
	GRADIENT	-.00006	.03708	.03741	-.02706	-.02722	-.00044	.00022	.00301	-.00198	.00061								

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0039) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1457/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.969	1.34985	-.07584	-.10561	.09005	.10475	.14556	.08563	.10493	-.06975	.04036
-4.014	-3.925	1.35018	.08116	.05303	-.03035	-.01656	.14056	.08354	.09165	-.05955	.03838
-4.005	-.052	1.34971	.24059	.21281	-.14867	-.13515	.13893	.08228	.08071	-.05193	.03678
-3.998	4.000	1.34963	.38031	.35361	-.24956	-.23657	.13549	.08102	.07362	-.04837	.03489
	GRADIENT	-.00007	.03772	.03790	-.02764	-.02774	-.00064	-.00032	-.00327	.00141	-.00044

RUN NO. 1458/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.089	1.34971	-.10987	-.13776	.11431	.12794	.14288	.08624	.00022	-.00004	.00228
-.002	-4.073	1.35020	.05469	.02764	-.01121	.00196	.13878	.08365	.00228	-.00174	.00323
-.000	-.018	1.34911	.21939	.19266	-.13275	-.11982	.13792	.08313	.00431	-.00363	.00377
-.002	3.952	1.34948	.35498	.32837	-.23040	-.21758	.13675	.08201	.00598	-.00494	.00420
	GRADIENT	-.00009	.03743	.03749	-.02732	-.02737	-.00025	-.00020	.00046	-.00040	.00012

RUN NO. 1459/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-7.899	1.34946	-.10052	-.13214	.10628	.12169	.15419	.08977	-.12042	.08241	-.03923
3.999	-4.099	1.35004	.05247	.02181	-.00944	.00542	.15469	.09193	-.10969	.07425	-.03715
4.000	.019	1.35000	.21585	.18621	-.13052	-.11614	.15578	.09514	-.09688	.06552	-.03454
3.999	3.985	1.34940	.34985	.32184	-.22682	-.21319	.15078	.09366	-.08517	.05805	-.03211
	GRADIENT	-.00008	.03680	.03713	-.02691	-.02706	-.00048	.00022	.00303	-.00200	.00062

(RC0040) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1460/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-8.026	1.39968	-.07307	-.10306	.08758	.10232	.14808	.08746	.10537	-.07097	.03986
-4.015	-3.923	1.39973	.07784	.04984	-.02368	-.01595	.14168	.08497	.09211	-.06058	.03697
-4.007	-.020	1.40022	.23936	.21196	-.14980	-.13644	.13981	.08408	.08069	-.05240	.03568
-3.998	4.003	1.39984	.37719	.35072	-.24952	-.23661	.13634	.08248	.07269	-.04767	.03445
GRADIENT		.00001	.03775	.03794	-.02772	-.02782	-.00067	-.00032	-.00245	.00163	-.00032

RUN NO. 1461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.089	1.39975	-.10861	-.13636	.11325	.12683	.14512	.08878	.00187	-.00176	.00261
-.002	-4.805	1.40008	.01950	-.00813	.01452	.02797	.14188	.08554	.00330	-.00291	.00361
.000	-4.041	1.39978	.05142	.02404	-.01002	.00330	.14086	.08501	.00383	-.00337	.00361
-.001	-.052	1.40000	.21470	.18788	-.13198	-.11896	.13935	.08453	.00486	-.00417	.00417
-.002	3.941	1.39966	.35306	.32661	-.23160	-.21881	.13703	.08278	.00591	-.00506	.00440
GRADIENT		-.00003	.03832	.03845	-.02828	-.02835	-.00052	-.00029	.00028	-.00023	.00010

RUN NO. 1462/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.034	1.39977	-.10418	-.13530	.10769	.12285	.15240	.08897	.11759	.08053	-.03809
3.999	-4.020	1.39963	.04887	.01846	-.00909	.00564	.15016	.08788	-.10496	.07068	-.03498
3.998	.015	1.39994	.21133	.18133	-.12978	-.11526	.15271	.09125	-.09315	.06259	-.03307
3.999	4.044	1.39966	.34802	.31963	-.22827	-.21451	.14767	.08954	-.08060	.05428	-.03066
GRADIENT		.00000	.03709	.03734	-.02718	-.02730	-.00031	.00021	.00302	-.00203	.00054

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1464/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.945	-7.904	1.54929	-.06492	-.09391	.08003	.09418	.15179	.09281	.10041	-.06793	.03749
-3.927	-3.881	1.54540	.06106	.03277	-.01903	-.00522	.14352	.08595	.08973	-.06001	.03350
-3.902	-.053	1.54953	.21389	.18762	-.13545	-.12261	.13776	.08444	.07945	-.05268	.03265
-3.916	3.952	1.54922	.35084	.32562	-.23561	-.22330	.13245	.08115	.06979	-.04620	.03238
	GRADIENT	.00048	.03698	.03737	-.02763	-.02782	-.00141	-.00061	-.00254	.00176	-.00014

RUN NO. 1465/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.973	1.54916	-.09776	-.12458	.10400	.11712	.14985	.09541	-.00003	-.00002	.00184
.001	-3.973	1.54876	.03235	.00542	.00184	.01490	.14280	.08769	.00227	-.00199	.00245
-.001	.039	1.54973	.19112	.16466	-.11989	-.10707	.13778	.08358	.00377	-.00338	.00310
.002	4.096	1.54869	.33509	.31021	-.22437	-.21230	.13315	.08224	.00356	-.00307	.00331
	GRADIENT	-.00001	.03752	.03777	-.02803	-.02815	-.00120	-.00067	.00016	-.00013	.00011

RUN NO. 1466/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.045	-7.993	1.54919	-.09297	-.12086	.09856	.11215	.15450	.09772	-.11394	.07841	-.03724
4.073	-4.164	1.54926	.02565	-.00243	.00604	.01972	.14703	.08979	-.10016	.06781	-.03288
4.099	.015	1.54972	.18889	.15981	-.11865	-.10459	.14425	.08458	-.08756	.05931	-.03023
4.068	4.141	1.54870	.32900	.30200	-.22060	-.20755	.14054	.08514	-.07834	.05323	-.02957
	GRADIENT	-.00007	.03653	.03666	-.02729	-.02737	-.00078	-.00056	.00263	-.00176	.00040

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0042) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	.600						
IB-ELV	=	10.000						
O8-ELV	=							
TEABUX	=							
.								
9.000								

PARAMETRIC DATA

QJIN NO	837 / 0	PN/I =	2.51	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
	-4.005	-7.921	.60088	.02059	.00263	-.01716	-.00921	.05419	.01459	.09735	-.06436	.03156
	-3.999	-4.005	.60089	.13981	.12426	-.10034	-.09354	.05087	.01626	.08794	-.05838	.03077
	-4.000	-0.003	.60126	.26342	.26043	-.18574	-.18019	.04327	.01391	.07681	-.05120	.02939
	-3.988	3.988	.60078	.39078	.37945	-.27423	-.26970	.03062	.00307	.06503	-.04307	.02752
GRADIENT			-.00001	.03140	.03192	-.02175	-.02204	-.00253	-.00156	-.00287	.00191	-.00041

RIIN NO	838/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.912	.59829	-.01259	-.02694	.00767	.01384	.05002	.01768	-.00145	.00125	.00131
.000	-3.952	.59983	.10031	.08805	-.07035	-.06514	.04782	.00022	.00012	.00169	.00169
.000	.066	.60053	.22552	.21565	-.15672	.15260	.04049	.01775	.00006	-.00205	.00205
-.001	4.030	.60042	.35109	.34232	-.24391	-.24034	.02894	.00841	.00131	-.00030	.00250
	GRADIENT	.00007	.03142	.03186	-.02174	-.02195	-.00236	-.00145	.00014	-.00005	.00010

PIIN NO	839/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
BETA	3.997										
	-8.080	.59854	.00474	-.01292	-.00889	-.00108	.05267	.01373	-.10389	.06939	-.02973
		.59989	.12701	-.11181	-.09402	-.08746	.04983	.01567	-.09163	.06207	-.02868
	-4.001	.59989					.04429	.01415	-.07961	.05471	-.02704
		.59987	.24346	.23093	-.17421	-.16880					
	- .049	.59976	.26354	.35356	-.25718	-.25282	.02900	.00679	-.06459	.04424	-.02358
	3.991	.59976									
GRADIENT		-.00002	.02960	.03025	-.02042	-.02069	-.00261	-.00111	-.00339	-.00223	.00064

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCD043) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .800 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-8.024	.79940	.02586	.00854	-.02266	-.01481	.05771	.02019	.09606	-.06292	.03193
-4.001	-3.991	.80053	.15180	.13785	-.11071	-.10459	.05259	.02168	.08669	-.05692	.03113
-4.013	.097	.80016	.28832	.27661	-.20516	-.20005	.04413	.01807	.07642	-.05045	.03068
-3.994	4.008	.79964	.42853	.41867	-.30323	-.29913	.03334	.01061	.06638	-.04379	.02970
GRADIENT		-.00011	.03459	.03510	-.02406	-.02432	-.00240	-.00138	-.00254	.00164	-.00018

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.047	.79982	-.02093	-.03431	.01264	.01842	.05339	.02335	-.00321	.00258	.00125
.001	-3.909	.80071	.10390	.09295	-.07445	-.06970	.04870	.02417	-.00221	.00203	.00143
-.000	.063	.80015	.23714	.22809	-.16660	-.16270	.04189	.02154	-.00086	.00109	.00218
-.001	4.063	.79934	.37631	.36915	-.26398	-.26098	.02997	.01353	.00013	.00031	.00288
GRADIENT		-.00017	.03417	.03465	-.02377	-.02399	-.00235	-.00134	.00029	-.00022	.00018

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.975	.79925	.01124	-.00576	-.01527	-.00784	.05583	.01803	-.10490	.06986	-.03018
3.990	-4.014	.80045	.13533	.12144	-.10190	-.09589	.05071	.01955	-.09380	.06316	-.02977
3.979	-.048	.80023	.26032	.24872	-.18823	-.18321	.04328	.01729	-.07970	.05413	-.02778
3.999	3.915	.79966	.39077	.38136	-.27859	-.27453	.03162	.01048	-.06625	.04466	-.02480
GRADIENT		-.00010	.03221	.03278	-.02228	-.02253	-.00241	-.00114	.00347	-.00233	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0044) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = .000
 TB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 830/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.066	.89908	.00521	-.01208	-.00588	.00203	.06606	.02892	.09714	-.06248	.03179
-4.011	-3.943	.89979	.14136	.12798	-.10168	-.09561	.05801	.02904	.08740	-.05681	.03118
-4.001	.025	.89980	.28931	.27842	-.20537	-.20046	.04972	.02602	.07657	-.05010	.03139
-3.996	4.003	.90012	.43494	.42598	-.30786	-.30407	.04314	.02273	.06957	-.04534	.02893
	GRADIENT	.00004	.03695	.03750	-.02595	-.02623	-.00187	-.00079	-.00224	.00144	-.00028

RUN NO. 831/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.048	.89987	-.04630	-.05979	.03351	.03951	.06085	.03125	-.00277	.00178	.00130
.001	-4.540	.90037	.06545	.05439	-.04485	-.03997	.05529	.03088	-.00122	.00081	.00132
.000	-3.909	.89981	.08680	.07606	-.05976	-.05498	.05414	.03053	-.00129	.00087	.00128
.000	-.021	.89981	.22644	.21787	-.15809	-.15421	.04692	.02834	.00015	-.00005	.00197
.001	4.096	.89956	.37714	.37064	-.26399	-.26105	.03884	.02472	-.00041	.00079	.00337
	GRADIENT	-.00007	.03613	.03666	-.02541	-.02564	-.00190	-.00070	.00012	-.00003	.00024

RUN NO. 832/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-7.979	.89956	-.00960	-.02680	.00095	.00855	.06432	.02639	-.10570	.06853	-.03010
3.987	-3.996	.90017	.12137	.10810	-.09059	-.08478	.05668	.02718	-.09219	.06046	-.02965
3.974	.026	.90069	.26182	.25130	-.18882	-.18420	.04921	.02588	-.07747	.05113	-.02843
3.990	3.992	.89977	.39525	.38636	-.28195	-.27806	.04145	.02167	-.06760	.04468	-.02377
	GRADIENT	-.00005	.03429	.03484	-.02396	-.02420	-.00191	-.00069	.00308	-.00198	.00074

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0045) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 827/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-8.044	.94901	-.01411	-.03085	.01202	.01968	.07385	.03794	.09814	-.06259	.03192
-4.007	-3.976	.95043	.12304	.11054	-.08561	-.07986	.06450	.03775	.08668	-.05519	.03123
-4.002	.001	.94992	.27711	.26716	-.19500	-.19036	.05609	.03505	.07391	-.04685	.03061
-3.993	3.997	.94943	.42320	.41521	-.29851	-.29486	.04777	.03058	.06524	-.04101	.02948
	GRADIENT	-.00013	.03765	.03821	-.02670	-.02696	-.00210	-.00090	-.00269	.00178	-.00022

RUN NO. 828/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.050	.94988	-.06578	-.07986	.05164	.05807	.07099	.04070	-.00424	.00332	.00070
.000	-4.038	.95003	.06724	.05705	-.04307	-.03847	.06120	.03906	-.00167	.00119	.00108
-.001	-.036	.95023	.21505	.20739	-.14885	-.14524	.05245	.03641	-.00027	.00025	.00199
-.001	4.095	.94936	.37181	.36654	-.25991	-.25736	.04275	.03192	-.00055	.00082	.00279
	GRADIENT	-.00008	.03746	.03806	-.02667	-.02692	-.00227	-.00088	.00014	-.00004	.00021

RUN NO. 829/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.961	.94949	-.02962	-.04604	.01925	.02662	.07198	.03614	-.10672	.06879	-.03013
3.992	-4.017	.95025	.10288	.08990	-.07466	-.06888	.06351	.03504	-.09070	.05808	-.02961
3.973	.071	.95068	.25221	.24181	-.18035	-.17565	.05692	.03435	-.07638	.04934	-.02790
3.991	3.984	.94955	.38348	.37555	-.27235	-.26857	.04683	.03036	-.06345	.04003	-.02371
	GRADIENT	-.00009	.03508	.03571	-.02472	-.02497	-.00208	-.00058	.00341	-.00226	.00074

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0046) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 823/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-7.964	1.04795	-.03240	-.05182	.03669	.04570	.09712	.05584	.09520	-.05898	.03433
-4.009	-3.973	1.05075	.12163	.10545	-.07358	-.06609	.09071	.05629	.08263	-.05009	.03402
-4.010	.110	1.05062	.28947	.27521	-.19448	-.18785	.08465	.05439	.07084	-.04197	.03300
-3.996	3.993	1.04943	.43529	.42301	-.30008	-.29442	.07682	.05057	.06046	-.03525	.02899
	GRADIENT	-.00016	.03939	.03988	-.02844	-.02867	-.00174	-.00072	-.00278	.00186	-.00063

RUN NO. 824/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.887	1.04877	-.07757	-.09339	.07193	.07943	.09440	.06139	-.00147	.00071	.00211
-.000	-4.049	1.05147	.06329	.04804	-.02810	-.02079	.09108	.05957	.00261	-.00244	.00293
-.001	-.023	1.05078	.23280	.21847	-.15019	-.14332	.08572	.05610	.00406	-.00338	.00331
-.002	4.082	1.04961	.38944	.37937	-.26447	-.25957	.07399	.05348	.00540	-.00455	.00490
	GRADIENT	-.00023	.04010	.04074	-.02907	-.02936	-.00210	-.00075	.00034	-.00026	.00024

RUN NO. 825/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.087	1.04827	-.06541	-.08466	.05710	.06630	.09756	.05765	-.10241	.06317	-.03255
3.995	-4.027	1.05266	.10320	.08554	-.06192	-.05345	.10332	.06681	-.09918	.06234	-.03468
3.993	.003	1.05090	.26396	.24861	-.17689	-.16957	.10367	.07182	-.09015	.05697	-.03321
4.000	4.045	1.04914	.40225	.38974	-.27813	-.27218	.07844	.05239	-.06255	.03707	-.02396
	GRADIENT	-.00044	.03705	.03769	-.02678	-.02710	-.00308	-.00179	.00454	-.00313	.00133

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 820/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.079	1.09762	-.06987	-.09421	.07472	.08616	.11914	.06798	.09503	-.06101	.03633
-4.012	-3.945	1.10167	.09082	.07045	-.04203	-.03241	.11051	.06786	.08351	-.05260	.03552
-4.009	.109	1.10017	.25555	.23664	-.16184	-.15290	.10525	.06574	.07357	-.04574	.03504
-3.990	4.005	1.09909	.40185	.38443	-.26886	-.26050	.09787	.06191	.06476	-.03978	.03152
	GRADIENT	-.00032	.03913	.03950	-.02854	-.02870	-.00159	-.00075	-.00236	.00161	-.00050

RUN NO. 821/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.081	1.09889	-.11041	-.13115	.10573	.11564	.11508	.07208	-.00313	.00174	.00159
.000	-4.762	1.10114	.01407	-.00458	.01534	.02430	.10939	.07092	-.00011	-.00054	.00205
.000	-4.042	1.09979	.04090	.02232	-.00350	.00546	.10862	.07038	.00085	-.00128	.00229
-.001	.104	1.10050	.20941	.19146	-.12514	-.11644	.10381	.06709	.00283	-.00277	.00280
-.002	3.969	1.09916	.35734	.34075	-.23364	-.22551	.09795	.06431	.00472	-.00406	.00309
	GRADIENT	-.00015	.03951	.03974	-.02866	-.02875	-.00130	-.00076	.00053	-.00038	.00011

RUN NO. 822/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.093	1.09538	-.09411	-.12026	.08928	.10188	.12281	.06897	-.11059	.07235	-.03601
3.995	-4.066	1.10331	.07633	.05542	-.03385	-.02374	.12593	.08304	-.10786	.07122	-.03722
3.990	.011	1.10072	.24039	.22082	-.15186	-.14234	.12948	.08955	-.10147	.06767	-.03675
3.997	4.020	1.09963	.37791	.36001	-.25130	-.24261	.11588	.07931	-.07738	.04976	-.02949
	GRADIENT	-.00046	.03730	.03767	-.02690	-.02707	-.00124	-.00046	.00376	-.00265	.00095

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0048) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 816/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CAF		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.013	1.14925	-.05422	-.07179	.06077	.06896	.11194	.07474	.09398	-.05951	-.03612
-4.000	-4.025	1.15098	.11230	.09728	-.06188	-.05486	.10673	.07502	.08415	-.05307	.03731
-4.011	.098	1.15046	.27771	.26407	-.18235	-.17594	.10279	.07411	.07484	-.04669	.03542
-3.990	3.999	1.14948	.41193	.39938	-.27884	-.27291	.09558	.06931	.06464	-.03945	.03146
	GRADIENT	-.00019	.03737	.03767	-.02706	-.02719	-.00139	-.00071	-.00243	.00170	-.00073

RUN NO. 817/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CAF		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.098	1.14905	-.09927	-.11415	.09525	.10234	.10943	.07851	-.00230	.00144	.00177
.000	-4.051	1.15055	.06776	.05458	-.02721	-.02083	.10396	.07694	.00111	-.00114	.00263
-.001	-.031	1.15069	.23218	.21954	-.14683	-.14065	.10234	.07668	.00354	-.00306	.00328
-.002	4.079	1.14955	.37832	.36685	-.25283	-.24720	.09562	.07240	.00559	-.00450	.00342
	GRADIENT	-.00012	.03819	.03840	-.02775	-.02784	-.00103	-.00056	.00055	-.00041	.00010

RUN NO. 818/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CY		CAF		CBL	
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.089	1.14778	-.07972	-.09816	.07678	.08566	.11816	.08019	-.11166	.07285	-.03660
3.993	-4.043	1.15039	.10397	.08824	-.05713	-.04952	.12747	.09523	-.11514	.07755	-.04025
3.989	.017	1.15024	.25886	.24448	-.16873	-.16171	.12814	.09886	-.10132	.06766	-.03663
3.998	4.059	1.15033	.38964	.37684	-.26249	-.25626	.11462	.08851	-.07806	.05033	-.02970
	GRADIENT	-.00001	.03526	.03562	-.02535	-.02552	-.00158	-.00083	.00458	-.00336	.00130

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0049) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 813/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
-4.004	-7.949	1.24864	-.04270	-.05929	.05314	.06084	.11787	.08264	.03786
-4.012	-3.955	1.25012	.12118	.10638	-.06969	-.06270	.11412	.08310	.03671
-4.008	.004	1.25020	.28083	.26751	-.18645	-.18011	.11198	.08428	.03540
-3.996	4.006	1.24992	.41409	.40224	-.28322	-.27750	.10602	.08167	.03296
	GRADIENT	-.00003	.03679	.03716	-.02682	-.02698	-.00102	-.00215	-.00047
RUN NO. 814/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
.001	-8.082	1.24921	-.08367	-.09755	.08488	.09153	.11447	.08577	.00191
-.000	-4.037	1.25023	.08305	.07021	-.04024	-.03401	.11781	.08557	.00291
-.001	-.045	1.25008	.24462	.23210	-.15826	-.15210	.11075	.08547	.00357
-.002	3.966	1.24983	.38020	.36849	-.25566	-.24987	.10660	.08308	.00417
	GRADIENT	-.00005	.03713	.03727	-.02691	-.02697	-.00065	-.00031	.00016
RUN NO. 815/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
3.992	-8.064	1.24864	-.07129	-.08907	.07198	.08052	.12786	.09121	.03973
3.997	-4.065	1.25044	.09855	.08247	-.05402	-.04626	.13191	.09886	.03869
3.990	.011	1.25042	.25841	.24408	-.16999	-.16301	.13441	.10523	.03627
4.003	4.085	1.25013	.38805	.37533	-.26285	-.25655	.12457	.09903	.03190
	GRADIENT	-.00004	.03552	.03593	-.02562	-.02580	-.00090	.00002	.00083

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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(RC0050) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 810/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-7.968	1.29928	-.04225	-.05939	.05326	.06126	.12090	.08471	.09860	-.06461	.03773
-4.014	-3.918	1.30064	.12247	.10709	-.06462	-.07193	.11676	.08472	.08655	-.05557	.03647
-4.002	.000	1.29977	.27728	.26338	-.18573	-.17908	.11432	.08559	.07641	-.04858	.03487
-4.006	4.088	1.29993	.41043	.39780	-.28165	-.27552	.10943	.08361	.06833	-.04358	.03278
	GRADIENT	-.00009	.03594	.03629	-.02618	-.02632	-.00092	-.00014	-.00227	.00149	-.00046

RUN NO. 811/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.093	1.29915	-.07986	-.09447	.08138	.08838	.11812	.08788	-.00196	.00140	.00149
.000	-4.075	1.30079	.08463	.07084	-.04277	-.03603	.11501	.08696	.00020	-.00018	.00261
-.001	-.027	1.29965	.24705	.23370	-.16224	-.15568	.11412	.08715	.00299	-.00266	.00327
-.002	4.087	1.29970	.38218	.36993	-.25922	-.25314	.10968	.08509	.00473	-.00396	.00381
	GRADIENT	-.00013	.03645	.03664	-.02651	-.02659	-.00065	-.00023	.00056	-.00046	.00015

RUN NO. 812/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.073	1.29901	-.07385	-.09204	.07375	.08250	.12774	.09027	-.11904	.08039	-.03882
3.993	-4.071	1.30062	.09231	.07551	-.05104	-.04291	.12936	.09490	-.10955	.07347	-.03725
3.991	.016	1.29991	.25379	.23882	-.16937	-.16209	.13130	.10078	-.09851	.06580	-.03515
4.000	4.084	1.29984	.38430	.37118	-.26220	-.25569	.12448	.09816	-.08416	.05628	-.03188
	GRADIENT	-.00010	.03581	.03626	-.02589	-.02609	-.00060	.00040	.00311	-.00211	.00066

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IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1.2

(RC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 806/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-7.961	1.34906	-.04058	-.05684	.05166	.05926	.12292	.08855	.10016	-.06594	-.03735
-4.017	-3.929	1.35034	.11266	.09727	-.06533	-.05802	.11928	.08723	.08708	-.05590	.03586
-4.009	-.019	1.35005	.26944	.25566	-.18159	-.17498	.11581	.08736	.07598	-.04832	.03448
-3.995	4.000	1.34992	.40205	.38952	-.27644	-.27035	.11171	.08611	.06967	-.04523	.03251
	GRADIENT	-.00005	.03649	.03684	-.02661	-.02677	-.00095	-.00014	-.00219	.00134	-.00042

RUN NO. 807/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.34947	-.07919	-.09332	.08033	.08705	.12062	.09119	-.00041	.00032	.00169
-.000	-4.039	1.35070	.08633	.07298	-.04542	-.03894	.11744	.09012	.00236	-.00192	.00300
-.001	-.037	1.35048	.24330	.23033	-.16120	-.15483	.11627	.09001	.00395	-.00346	.00343
-.002	3.957	1.34968	.37643	.36415	-.25661	-.25054	.11331	.08866	.00564	-.00481	.00375
	GRADIENT	-.00013	.03628	.03642	-.02641	-.02646	-.00052	-.00018	.00041	-.00036	.00009

RUN NO. 808/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-7.929	1.34867	-.06953	-.08735	.07047	.07907	.12867	.09206	-.11662	.07878	-.03781
4.008	-4.031	1.35050	.08713	.07050	-.04783	-.03982	.12964	.09542	-.10613	.07074	-.03592
3.989	.009	1.34935	.24398	.22894	-.16369	-.15638	.13030	.09955	-.09406	.06264	-.03346
3.998	4.073	1.35045	.37659	.36379	-.25825	-.25192	.12482	.09910	-.08191	.05503	-.03100
	GRADIENT	-.00001	.03571	.03619	-.02596	-.02617	-.00060	.00045	.00299	-.00194	.00061

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0052) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 803/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.959	1.40004	-.03735	-.05396	.04946	.05718	.12615	.09095	.10424	-.07024	.03801
-4.001	-4.008	1.40040	.10923	.09397	-.06365	-.05639	.12165	.08989	.09012	-.05926	.03524
-4.006	.026	1.39995	.27223	.25863	-.18510	-.17854	.11806	.09009	.07692	-.04957	.03399
-3.997	4.004	1.39986	.39998	.38733	-.27688	-.27074	.11460	.08874	.06711	-.04306	.03223
	GRADIENT	-.00007	.03630	.03662	-.02662	-.02676	-.00088	-.00014	-.00287	.00202	-.00038

RUN NO. 804/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.083	1.39943	-.07914	-.09357	.08060	.08747	.12382	.09382	.00057	-.00067	.00191
-.000	-4.064	1.40047	.07755	.06340	-.03975	-.03286	.12020	.09134	.00331	-.00290	.00315
-.001	-.039	1.39975	.23713	.22347	-.15851	-.15179	.11824	.09063	.00363	-.00313	.00361
-.002	3.963	1.39990	.37079	.35817	-.25453	-.24827	.11502	.08976	.00470	-.00403	.00378
	GRADIENT	-.00007	.03653	.03672	-.02676	-.02684	-.00064	-.00020	.00017	-.00014	.00008

RUN NO. 805/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.989	-8.074	1.39953	-.07299	-.09071	.07312	.08169	.13023	.09389	-.11822	.08093	.03801
3.994	-4.073	1.40052	.08002	.06344	-.04407	-.03608	.12763	.09349	-.10433	.06989	-.03448
3.987	.016	1.39990	.24283	.22787	-.16509	-.15781	.12861	.09804	-.09201	.06105	-.03245
3.997	4.079	1.40031	.37032	.35710	-.25530	-.24877	.12491	.09833	-.07833	.05186	-.02982
	GRADIENT	-.00003	.03561	.03603	-.02592	-.02609	-.00033	.00059	.00319	-.00221	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0053) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1373/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.008	-7.975	1.24917	-.03033	-.03747	.03781	.04100	.09943	.08379	.09609	-.06132	.03714
-4.020	-3.952	1.25032	.13304	.12710	-.08417	-.08127	.09587	.08381	.08476	-.05322	.03595
-4.002	.003	1.25002	.28843	.28359	-.19769	-.19512	.09392	.08488	.07581	-.04748	.03442
-3.988	4.000	1.24968	.41940	.41548	-.29186	-.28972	.08833	.08121	.06631	-.04102	.03083
	GRADIENT	-.00008	.03601	.03626	-.02611	-.02621	-.00095	-.00033	-.00232	.00153	-.00065

RUN NO. 1374/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.074	1.24948	-.07191	-.07751	.07003	.07275	.09718	.08572	-.00016	-.00023	.00208
.001	-5.161	1.25033	.04359	.03813	-.01608	-.01330	.09591	.08526	.00222	-.00209	.00294
.000	-4.073	1.25001	.08841	.08316	-.04947	-.04673	.09518	.08519	.00294	-.00268	.00310
-.001	-.044	1.25022	.25374	.24875	-.17054	-.16787	.09389	.08458	.00527	-.00472	.00389
-.002	4.080	1.24974	.38839	.38478	-.26655	-.26456	.08923	.08271	.00718	-.00611	.00447
	GRADIENT	-.00003	.03678	.03698	-.02661	-.02670	-.00073	-.00030	.00052	-.00042	.00017

RUN NO. 1375/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.090	1.24902	-.05717	-.06526	.05411	.05805	.10512	.08861	-.11153	.07300	-.03693
4.001	-4.026	1.25022	.11148	.10519	-.07018	-.06708	.11007	.09744	-.10367	.06755	-.03614
3.994	.016	1.25030	.26662	.26160	-.18295	-.18040	.11068	.10085	-.09123	.05873	-.03330
4.009	4.080	1.25003	.39064	.38599	-.27050	-.26810	.10045	.09146	-.07549	.04861	-.02887
	GRADIENT	-.00002	.03444	.03464	-.02471	-.02480	-.00119	-.00074	.00348	-.00234	.00090

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0054) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-7.969	1.29939	-.02912	-.03706	.03780	.04137	.10392	.08662	.09836	-.06386	.03732
-4.013	-3.936	1.30059	.13237	.12576	-.08424	-.08106	.10030	.08667	.08575	-.05443	.03574
-4.006	-.005	1.29963	.28625	.28090	-.19748	-.19466	.09766	.08753	.07544	-.04720	.03413
-3.990	3.990	1.29959	.41321	.40846	-.28828	-.28577	.09315	.08420	.06629	-.04105	.03122
	GRADIENT	-.00013	.03542	.03566	-.02574	-.02582	-.00090	-.00031	-.00246	.00169	-.00057

RUN NO. 1378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.071	1.29988	-.06788	-.07405	.05681	.06979	.10194	.08930	-.00110	.00072	.00170
.000	-4.056	1.30004	.09389	.08791	-.05431	-.05128	.09985	.08814	.00147	-.00123	.00304
-.001	-.039	1.29969	.25260	.24680	-.17125	-.16821	.09882	.08782	.00366	-.00327	.00366
-.002	3.972	1.29992	.38430	.37990	-.26514	-.26282	.09414	.08584	.00545	-.00459	.00386
	GRADIENT	-.00001	.03617	.03637	-.02626	-.02635	-.00071	-.00029	.00050	-.00042	.00010

RUN NO. 1379/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.074	1.29933	-.05987	-.06897	.05694	.06132	.10760	.08887	-.11229	.07460	-.03684
3.999	-4.101	1.30018	.10266	.09549	-.06483	-.06132	.10889	.09431	-.10113	.06607	-.03477
3.990	.017	1.29996	.26304	.25740	-.18230	-.17951	.10994	.09866	-.08934	.05775	-.03236
4.007	4.088	1.29960	.38783	.38260	-.26940	-.26675	.10613	.09583	-.07456	.04780	-.02884
	GRADIENT	-.00007	.03483	.03507	-.02499	-.02509	-.00034	.00019	.00324	-.00223	.00072

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1380/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.008	-7.978	1.34949	-.02900	-.03737	.03784	.04159	.10723	.08893	.10089	-.06609	.03744
-4.016	-3.948	1.34998	.12232	.11517	-.07745	-.07399	.10310	.08840	.08691	-.05532	.03520
-4.009	.022	1.35009	.28016	.27417	-.19416	-.19102	.09993	.08857	.07532	-.04723	.03374
-4.009	4.090	1.35005	.41048	.40514	-.28679	-.28400	.09638	.08622	.06743	-.04264	.03135
	GRADIENT	.00001	.03583	.03606	-.02603	-.02611	-.00084	-.00027	-.00242	.00158	-.00048

RUN NO. 1381/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.014	1.34958	-.06755	-.07412	.06671	.06986	.10551	.09192	.00034	-.00025	.00201
.000	-4.093	1.35053	.09028	.08388	-.05275	-.04948	.10258	.09011	.00262	-.00208	.00313
-.001	-.049	1.34985	.24941	.24340	-.16989	-.16675	.10155	.09009	.00447	-.00385	.00374
-.002	3.971	1.34944	.37999	.37501	-.26294	-.26035	.09807	.08851	.00612	-.00522	.00422
	GRADIENT	-.00014	.03593	.03610	-.02607	-.02615	-.00056	-.00020	.00043	-.00039	.00014

RUN NO. 1382/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.041	1.34961	-.06057	-.06941	.05774	.06197	.10959	.09127	-.11056	.07347	-.03605
3.999	-4.026	1.35014	.09731	.08963	-.06149	-.05772	.10852	.09296	-.09887	.06456	-.03379
3.988	.018	1.35003	.25166	.24520	-.17501	-.17181	.10963	.09663	-.08699	.05642	-.03132
4.000	4.070	1.34998	.37889	.37312	-.26425	-.26132	.10619	.09489	-.07398	.04796	-.02850
	GRADIENT	-.00002	.03478	.03501	-.02504	-.02515	-.00029	.00024	.00307	-.00205	.00065

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0056) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1385/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.963	1.39971	-.02810	-.03650	.03754	.04138	.11086	.09275	.10063	-.06687	.03697
-4.016	-3.937	1.39997	.11742	.11014	-.07467	-.07115	.10580	.09084	.08754	-.05656	.03408
-4.006	-.017	1.40013	.27303	.26690	-.18983	-.18664	.10295	.09126	.07601	-.04840	.03315
-3.992	3.998	1.40017	.40295	.39727	-.28261	-.27964	.09962	.08884	.06661	-.04227	.03124
	GRADIENT	.00003	.03597	.03617	-.02619	-.02626	-.00078	-.00025	-.00264	.00180	-.00036

RUN NO. 1386/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.39950	-.07183	-.07873	.07045	.07378	.10893	.09476	.00174	-.00178	.00228
.000	-4.859	1.39996	.05158	.04464	-.02425	-.02073	.10603	.09244	.00363	-.00325	.00354
-.000	-4.066	1.39984	.08501	.07812	-.04961	-.04607	.10539	.09201	.00427	-.00381	.00360
-.001	-.046	1.39962	.24333	.23676	-.16699	-.16355	.10390	.09141	.00513	-.00454	.00423
-.002	3.964	1.39997	.37464	.36910	-.26041	-.25752	.10061	.09003	.00597	-.00524	.00438
	GRADIENT	-.00000	.03674	.03690	-.02687	-.02694	-.00059	-.00025	.00025	-.00021	.00010

RUN NO. 1387/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.081	1.39958	-.06359	-.07226	.05988	.06398	.11103	.09292	-.10973	.07315	-.03553
4.005	-4.012	1.40017	.08958	.08172	-.05727	-.05343	.10657	.09059	-.09575	.06222	-.03200
3.992	-.006	1.39970	.24544	.23898	-.17276	-.16957	.10709	.09408	-.08476	.05473	-.03026
3.997	4.074	1.39973	.37239	.36623	-.26113	-.25801	.10669	.09462	-.07168	.04605	-.02768
	GRADIENT	-.00005	.03496	.03517	-.02520	-.02529	.00001	.00050	.00298	-.00200	.00053

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0057) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1388/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.933	-7.922	1.54966	-.03198	-.03968	.04022	.04372	.11438	.09775	.09676	-.06472	.03492
-3.921	-3.964	1.54946	.09074	.08250	-.05575	-.05173	.10803	.09123	.08687	-.05724	.03115
-3.905	.004	1.54901	.24015	.23345	-.16778	-.16444	.10316	.08980	.07458	-.04831	.03008
-3.907	3.943	1.54899	.37030	.36361	-.26195	-.25850	.09950	.08657	.06436	-.04135	.02973
	GRADIENT	-.00006	.03536	.03555	-.02608	-.02615	-.00108	-.00059	-.00285	.00201	-.00018

RUN NO. 1389/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.978	1.54967	-.06929	-.07699	.06890	.07259	.11582	.09984	.00032	-.00047	.00154
.001	-3.969	1.54929	.06001	.05230	-.03201	-.02811	.10901	.09385	.00216	-.00208	.00216
-.001	.062	1.54880	.21328	.20547	-.14809	-.14411	.10506	.08983	.00385	-.00364	.00303
-.002	4.075	1.54937	.34963	.34289	-.24653	-.24308	.10154	.08844	.00386	-.00351	.00346
	GRADIENT	.00001	.03601	.03613	-.02667	-.02673	-.00093	-.00067	.00021	-.00018	.00016

RUN NO. 1390/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.123	1.54831	-.06356	-.07253	.06141	.06568	.11690	.09823	-.10909	.07380	-.03557
4.072	-4.166	1.55072	.05979	.05131	-.03509	-.03106	.10803	.09036	-.09497	.06294	-.03104
4.092	.019	1.54939	.21564	.20810	-.15392	-.15029	.10432	.08882	-.08178	.05351	-.02832
4.072	4.148	1.54893	.34595	.33862	-.24577	-.24215	.10503	.09028	-.07093	.04629	-.02708
	GRADIENT	-.00022	.03443	.03456	-.02535	-.02540	-.00036	-.00001	.00289	-.00200	.00048

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.021	-8.033	1.39899	-.05835	-.06588	.06451	.06787	.11087	.09437	.09774	-.06456	.03654
-3.927	-4.004	1.40055	-.08947	.08243	-.04952	-.04616	.10516	.09054	.08630	-.05568	.03374
-3.847	-.080	1.39972	.23907	.23339	-.16190	-.15892	.10063	.08984	.07870	-.05000	.03352
-3.979	3.956	1.39978	.37487	.36934	-.25934	-.25640	.09781	.08743	.07314	-.04627	.03387
	GRADIENT	-.00010	.03584	.03603	-.02635	-.02640	-.00092	-.00039	-.00165	.00118	.00002

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-8.107	1.39931	-.09491	-.10129	.09135	.09447	.10876	.09577	-.00156	.00054	.00150
-.003	-4.080	1.39999	.06117	.05446	-.02864	-.02522	.10421	.09107	.00111	-.00161	.00273
-.002	-.119	1.39979	.22027	.21404	-.14708	-.14383	.10213	.09024	.00281	-.00287	.00352
-.000	4.005	1.39939	.35618	.35075	-.24409	-.24129	.09862	.08815	.00448	-.00412	.00393
	GRADIENT	-.00007	.03647	.03663	-.02663	-.02671	-.00069	-.00036	.00042	-.00031	.00015

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.029	-8.059	1.39983	-.08083	-.08929	.07594	.07992	.10928	.09150	-.10836	.07172	-.03514
3.911	-3.989	1.40069	.07116	.06371	-.04036	-.03673	.10416	.08900	-.09069	.05827	-.03067
3.856	-.041	1.40022	.22290	.21682	-.15340	-.15039	.10219	.08999	-.07714	.04894	-.02795
3.978	3.939	1.40014	.34918	.34335	-.24210	-.23915	.10204	.09057	-.06890	.04378	-.02679
	GRADIENT	-.00007	.03506	.03527	-.02544	-.02553	-.00027	.00020	.00275	-.00183	.00049

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.114	-8.140	1.54801	-.05549	-.06197	-.06132	.06429	.11516	.10125	.09912	-.06644	.03571
-4.009	-4.086	1.54934	.06980	.06242	-.03654	-.03296	.10802	.09289	.08941	-.05909	.03172
-3.936	-.068	1.54988	.21225	.20668	-.14510	-.14220	.10065	.09002	.07884	-.05121	.03082
-4.044	4.027	1.54886	.35117	.34527	-.24597	-.24284	.09759	.08654	.07261	-.04686	.03273
	GRADIENT	-.00006	.03468	.03486	-.02581	-.02587	-.00128	-.00078	-.00207	.00151	.00013

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.019	1.54825	-.08757	-.09448	.08544	.08877	.11585	.10160	-.00307	.00196	.00080
-.003	-3.971	1.54989	.04183	.03493	-.01605	-.01252	.10790	.09445	-.00011	-.00053	.00167
-.002	.055	1.54902	.19528	.18846	-.13255	-.12902	.10320	.09008	.00178	-.00213	.00250
.000	4.100	1.54851	.33547	.32949	-.23367	-.23056	.09904	.08758	.00241	-.00241	.00304
	GRADIENT	-.00017	.03638	.03650	-.02696	-.02701	-.00110	-.00085	.00031	-.00023	.00017

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.087	-8.146	1.54827	-.08150	-.08967	.07721	.08110	.11553	.09854	-.10598	.07085	-.03471
4.003	-4.059	1.54999	.04599	.03842	-.02244	-.01878	.10584	.09030	-.08918	.05819	-.02921
3.931	-.022	1.54962	.19516	.18890	-.13642	-.13336	.10010	.08738	-.07394	.04746	-.02577
4.047	4.017	1.54885	.32640	.32019	-.22953	-.22642	.10010	.08773	-.06866	.04449	-.02647
	GRADIENT	-.00014	.03472	.03489	-.02564	-.02571	-.00071	-.00032	.00254	-.00170	.00034

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0060) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 DB-ELV = 5.000

RUN NO. 1352/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.903	.59916	.00713	-.01088	-.00585	.00198	.05199	.01175	.09839	-.06506	.03187
-4.007	-3.999	.60043	.12617	.11064	-.08846	-.08175	.04965	.01481	.08871	-.05895	.03096
-4.004	.059	.60024	.24911	.23599	-.17297	-.16746	.04126	.01122	.07748	-.05163	.02962
-3.998	4.001	.60035	.37231	.36081	-.25831	-.25376	.02867	.00133	.06567	-.04348	.02764
	GRADIENT	-.00001	.03077	.03127	-.02123	-.02150	-.00262	-.00168	-.00288	.00193	-.00041

RUN NO. 1353/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.912	.59934	-.02453	-.03884	.01808	.02417	.04880	.01634	-.00187	.00157	.00142
.000	-4.023	.60044	.08295	.07112	-.05613	-.05121	.04574	.01851	-.00001	.00024	.00184
.000	.109	.60031	.20914	.19934	-.14243	-.13837	.03865	.01601	.00021	.00023	.00218
-.001	3.982	.60067	.32713	.31885	-.22454	-.22127	.02655	.00676	.00165	-.00055	.00276
	GRADIENT	.00003	.03051	.03095	-.02104	-.02124	-.00239	-.00146	.00021	-.00010	.00011

RUN NO. 1354/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.090	.59871	-.01292	-.03036	.00552	.01317	.05091	.01222	-.10516	.07028	-.02963
3.995	-3.991	.60028	.11088	.09608	-.08040	-.07405	.04805	.01463	-.09203	.06237	-.02836
3.989	-.032	.60058	.22633	.21414	-.15960	-.15445	.04018	.01240	-.07951	.05450	-.02650
3.997	3.963	.60010	.34254	.33245	-.23964	-.23524	.02689	.00435	-.06558	.04506	-.02337
	GRADIENT	-.00002	.02913	.02972	-.02002	-.02027	-.00266	-.00129	.00332	-.00218	.00063

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0061) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.009	-8.051	.89923	-.00116	-.01910	-.00030	.00789	.06313	.02453	.09941	-.06419	.03252
-4.004	-3.999	.90026	.13045	.11649	-.09259	-.08627	.05578	.02554	.08914	-.05805	.03162
-4.000	.060	.89963	.27687	.26543	-.19441	-.18934	.04749	.02233	.07852	-.05146	.03166
-3.998	3.998	.89965	.41534	.40548	-.29092	-.28676	.04091	.01838	.07069	-.04598	.02929
	GRADIENT	-.00008	.03563	.03614	-.02480	-.02507	-.00186	-.00089	-.00231	.00151	-.00029

RUN NO. 1357/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.061	.89955	-.05399	-.06814	.04018	.04643	.05906	.02782	-.00232	.00150	.00185
.000	-4.042	.89987	.07195	.06048	-.04788	-.04283	.05199	.02663	.00019	-.00021	.00216
-.000	-.048	.90013	.20927	.20011	-.14390	-.13977	.04392	.02402	.00094	-.00054	.00265
-.001	3.960	.89955	.35348	.34630	-.24455	-.24128	.03661	.02110	.00059	.00022	.00356
	GRADIENT	-.00004	.03518	.03572	-.02458	-.02480	-.00192	-.00069	.00005	.00005	.00018

RUN NO. 1358/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.971	.89972	-.01898	-.03652	.00911	.01689	.06233	.02373	-.10616	.06896	-.02932
3.993	-4.068	.90042	.10864	.09470	-.07991	-.07386	.05471	.02348	-.09253	.06084	-.02883
3.979	.029	.90025	.24607	.23473	-.17527	-.17032	.04632	.02106	-.07677	.05088	-.02733
3.996	3.997	.89976	.37901	.36928	-.26790	-.26366	.03906	.01737	-.06752	.04487	-.02287
	GRADIENT	-.00008	.03352	.03405	-.02331	-.02353	-.00194	-.00076	.00311	-.00198	.00074

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(RC0062) (13 APR 92)

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1359/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.007	1.09916	-.07586	-.09998	.08022	.09152	.11523	.06440	.09594	-.06123	.03655
-3.998	-4.008	1.09967	.07846	.05773	-.03148	-.02178	.10775	.06401	.08413	-.05279	.03557
-4.005	.020	1.10022	.24250	.22352	-.15061	-.14167	.10241	.06260	.07501	-.04656	.03575
-3.992	4.001	1.09970	.39192	.37445	-.25968	-.25132	.09512	.05893	.06651	-.04098	.03237
	GRADIENT	.00000	.03915	.03955	-.02850	-.02867	-.00158	-.00063	-.00220	.00147	-.00040

RUN NO. 1360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.001	1.09942	-.11844	-.13910	.11267	.12251	.11155	.06864	-.00228	.00111	.00197
.000	-4.064	1.10109	.02971	.01118	.00638	.01528	.10547	.06722	.00146	-.00178	.00249
.001	-.055	1.10055	.19223	.17434	-.11105	-.10242	.10088	.06413	.00365	-.00328	.00295
.002	3.960	1.09981	.34793	.33153	-.22559	-.21758	.09484	.06148	.00581	-.00485	.00337
	GRADIENT	-.00016	.03966	.03992	-.02891	-.02902	-.00132	-.00071	.00054	-.00038	.00011

RUN NO. 1361/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-7.972	1.09817	-.09899	-.12478	.09416	.10661	.11957	.06661	-.10807	.07008	-.03518
4.001	-3.995	1.10089	.06652	.04517	-.02391	-.01361	.12612	.08221	-.10649	.06996	-.03687
3.990	.023	1.10103	.23030	.21061	-.14198	-.13245	.12862	.08829	-.10180	.06809	-.03717
4.000	4.010	1.09801	.36558	.34725	-.24063	-.23180	.11244	.07470	-.08076	.05291	-.03068
	GRADIENT	-.00036	.03737	.03774	-.02708	-.02726	-.00171	-.00094	.00321	-.00213	.00077

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0063) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1362/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.975	1.14948	-.06006	-.07867	.06641	.07504	.11004	.07046	.09507	-.05996	.03645
-4.012	-3.964	1.15182	.10613	.09014	-.05568	-.04825	.10475	.07079	.08524	-.05355	.03780
-4.002	.018	1.15057	.26700	.25227	-.17289	-.16600	.10096	.06988	.07640	-.04769	.03623
-3.993	4.001	1.14971	.40625	.39269	-.27312	-.26676	.09409	.06559	.06652	-.04085	.03233
	GRADIENT	-.00027	.03768	.03798	-.02730	-.02743	-.00134	-.00065	-.00235	.00159	-.00069

RUN NO. 1363/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.054	1.14920	-.10632	-.12212	.10185	.10936	.10746	.07457	-.00187	.00124	.00204
-.000	-4.036	1.15101	.05809	.04395	-.01845	-.01165	.10224	.07308	.00189	-.00162	.00295
-.001	-.017	1.15009	.22494	.21124	-.14024	-.13360	.10034	.07230	.00417	-.00339	.00366
-.002	3.970	1.14964	.36845	.35611	-.24464	-.23864	.09452	.06934	.00630	-.00490	.00351
	GRADIENT	-.00017	.03877	.03899	-.02826	-.02835	-.00096	-.00047	.00055	-.00041	.00007

RUN NO. 1364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.081	1.14705	-.08881	-.10831	.08481	.09420	.11566	.07554	-.11031	.07176	-.03612
3.994	-4.080	1.15099	.08659	.06981	-.04091	-.03281	.13061	.09612	-.11719	.07905	-.04097
3.989	.009	1.15071	.24533	.22988	-.15597	-.14846	.12999	.09846	-.10432	.07043	-.03788
4.001	4.047	1.15035	.37871	.36479	-.25294	-.24622	.11154	.08297	-.08118	.05342	-.03075
	GRADIENT	-.00008	.03595	.03630	-.02609	-.02626	-.00234	-.00161	.00443	-.00315	.00126

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0064) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.974	1.24923	-.05276	-.07023	.06219	.07026	.11674	.07950	.09728	-.06274	.03835
-4.018	-3.946	1.25056	-.11569	.10003	-.06388	-.05651	.11276	.07986	.08686	-.05544	.03747
-4.008	-.003	1.25014	.27326	.25908	-.17943	-.17271	.11090	.08131	.07898	-.05065	.03640
-3.989	4.007	1.24947	.40733	.39448	-.27683	-.27067	.10472	.07818	.07017	-.04488	.03314
	GRADIENT	-.00014	.03666	.03702	-.02677	-.02692	-.00101	-.00021	-.00210	.00133	-.00055

RUN NO. 1366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.059	1.24933	-.09367	-.10850	.09380	.10086	.11332	.08252	-.00014	-.00024	.00222
.000	-4.049	1.25038	.07191	.05806	-.03046	-.02378	.11038	.08190	.00272	-.00249	.00312
-.001	-.028	1.25002	.23673	.22324	-.15083	-.14426	.10928	.08177	.00505	-.00449	.00379
-.002	3.973	1.24993	.37475	.36208	-.25039	-.24416	.10587	.08030	.00704	-.00594	.00438
	GRADIENT	-.00006	.03775	.03790	-.02742	-.02747	-.00056	-.00020	.00054	-.00043	.00016

RUN NO. 1367/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.899	1.24905	-.07158	-.09021	.07351	.08245	.12680	.08834	-.11914	.07970	-.03939
3.995	-4.057	1.25013	.08940	.07244	-.04512	-.03697	.13217	.09719	-.11257	.07531	-.03895
3.995	.012	1.25003	.24852	.23325	-.16090	-.15349	.13407	.10284	-.10081	.06722	-.03645
4.000	4.081	1.24976	.38079	.36715	-.25672	-.25000	.12131	.09378	-.08473	.05684	-.03198
	GRADIENT	-.00004	.03580	.03621	-.02600	-.02618	-.00133	-.00042	.00342	-.00227	.00086

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 722/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.897	.59891	-.01278	-.03889	.01043	.02343	.06334	.01120	.09661	-.06356	.03189
-4.001	-4.012	.59921	.10871	.08401	-.07358	-.06123	.06383	.01472	.08691	-.05734	.03066
-4.008	.105	.59980	.24154	.21771	-.16468	-.15279	.05906	.01156	.07617	-.05040	.02943
-4.002	4.002	.60008	.37067	.34778	-.25443	-.24296	.04880	.00334	.06634	-.04391	.02801
	GRADIENT	.00011	.03268	.03291	-.02256	-.02267	-.00187	-.00141	-.00257	.00167	-.00033

RUN NO. 723/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.930	.59989	-.04308	-.06715	.03395	.04599	.06153	.01364	-.00104	.00107	.00148
.000	-3.934	.60097	.07696	.05439	-.04925	-.03796	.06203	.01719	.00050	-.00003	.00185
.000	.059	.60059	.20315	.18110	-.13567	-.12465	.05762	.01372	.00072	-.00012	.00205
-.001	4.052	.60080	.33611	.31529	-.22789	-.21744	.04713	.00588	.00183	-.00065	.00272
	GRADIENT	-.00002	.03245	.03267	-.02237	-.02247	-.00187	-.00142	.00017	-.00008	.00011

RUN NO. 724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.042	.59911	-.03067	-.05720	.02116	.03452	.06345	.01100	-.10453	.07007	-.03067
3.996	-4.006	.60096	.09732	.07268	-.06789	-.05553	.06335	.01448	-.09215	.06251	-.02949
3.994	-.045	.60064	.21957	.19574	-.15180	-.13986	.05917	.01183	-.08033	.05514	-.02789
4.000	3.967	.60002	.34852	.32533	-.24116	-.22945	.04843	.00275	-.06695	.04635	-.02477
	GRADIENT	-.00012	.03151	.03169	-.02173	-.02181	-.00187	-.00147	.00316	-.00203	.00059

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0066) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 725/ 0		RN/L = 2.49		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
-3.998	-8.007	.79974	-.01565	-.04257	.01359
-4.003	-3.963	.80049	-.11979	.09471	-.08179
-4.004	.041	.80014	.26268	.23854	-.18042
-3.998	4.055	.79949	.41497	.39126	-.28715
	GRADIENT	-.00012	.03681	.03698	-.02561
					-.02570
					-.00180
					-.00147
					-.00252
					.09934
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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0067) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.055	.89927	-.04530	-.07417	.04144	.05574	.08777	.02983	.10105	-.06553	.03399
-4.002	-3.990	.90007	.10023	.07353	-.06239	-.04918	.08221	.02854	.09105	-.05960	.03329
-4.001	.008	.90024	.25648	.23090	-.17258	-.15996	.07627	.02477	.08079	-.05344	.03338
-3.991	3.994	.90003	.41195	.38723	-.28272	-.27052	.07062	.02085	.07163	-.04682	.03187
	GRADIENT	-.00000	.03904	.03929	-.02759	-.02772	-.00145	-.00096	-.00243	.00160	-.00018

RUN NO. 729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.034	.90011	-.09682	-.12445	.08171	.09538	.08636	.03086	-.00285	.00197	.00116
.000	-4.535	.90015	.02707	.00172	-.00746	.00508	.07992	.02902	.00027	-.00035	.00153
.000	-3.900	.90007	.05164	.02649	-.02487	-.01247	.07936	.02870	.00038	-.00039	.00147
-.000	.090	.89954	.20352	.17977	-.13329	-.12156	.07263	.02483	.00183	-.00140	.00223
.002	3.967	.89950	.35542	.33278	-.24052	-.22933	.06725	.02173	.00142	-.00065	.00356
	GRADIENT	-.00008	.03856	.03888	-.02739	-.02755	-.00152	-.00088	.00016	-.00006	.00024

RUN NO. 730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.984	.89977	-.07028	-.10004	.05662	.07124	.08868	.02849	-.10944	.07207	-.03284
3.998	-4.048	.89999	.07444	.04745	-.04642	-.03307	.08348	.02921	-.09770	.06546	-.03285
3.980	.049	.90009	.23618	.21069	-.16133	-.14876	.08133	.02997	-.09024	.06190	-.03198
3.997	4.005	.89971	.37653	.35178	-.26007	-.24793	.07074	.02062	-.07188	.04841	-.02619
	GRADIENT	-.00003	.03752	.03780	-.02654	-.02669	-.00157	-.00106	.00320	-.00211	.00082

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0068) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	.950						IEABOX = 180.000
IB-ELV	=	10.000						OB-ELV = 9.000

PARAMETRIC DATA

	BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF
	-3.996	-8.059	.94921	-.06509	-.09537	.06322	.07820	.10603	.04521
	-3.996	-3.996	.95018	.08311	.05456	-.04393	-.02994	.09972	.04183
	-4.009	-.002	.94988	.24928	.22192	.16372	-.15033	.09335	.03782
	-4.003	3.985	.94980	.41115	.38444	-.28017	-.26706	.08752	.03446
	-3.988	GRADIENT	-.00005	.41110	.04133	-.03960	-.02971	-.00153	-.00105

	BETA	ALPHA	MACH	RUN NO.	733/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	
						CN	CNF	CLM	CLMF	CA	CAF
						- .11649	- .14521	.10310	.11725	.10343	-.04550
	.001	-8.036	.95019								
	.000	-4.026	.95022			.03281	.00626	-.00569	.00736	.09677	.04310
	.001	-.022	.95004			.18774	.16204	-.11702	.10440	.09169	.03966
	.001	4.074	.94810			.36008	.33521	-.24161	-.23944	.08323	.03274
		GRADIENT	-.00026			.04041	.04061	-.02913	.03924	-.00167	-.00128

	BETA	ALPHA	MACH	RUN NO.	734/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
					CN	CNF	CLM	CLMF	CA	CAF
					-.08912	-.12055	.07732	.09267	.10635	.04246
	3.996	-7.942	.94960							
	3.998	-4.041	.95012		.05879	.02904	-.02854	-.01400	.10367	.04319
	3.996	-.001	.95054		.22382	.19562	-.14704	-.13329	.10252	.04511
	3.999	GRADIENT	.93998		.37480	.34829	-.25584	-.24288	.09022	.03635
			-.00013		.03931	.03972	-.02828	-.02847	-.00167	-.00085

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0069) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 735/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-7.964	1.04957	-.09223	-.12655	.09623	.11313	.12753	.05824	.10169	-.06535	.03870
-4.007	-3.961	1.05060	.07472	.04148	-.02527	-.00924	.12256	.05418	.08908	-.05635	.03782
-4.002	-.006	1.05018	.24082	.20882	-.14498	-.12960	.11829	.05231	.07803	-.04879	.03703
-3.999	4.084	1.05011	.40760	.37683	-.26633	-.25163	.11265	.04891	.06629	-.04075	.03310
	GRADIENT	-.00006	.04138	.04168	-.02996	-.03013	-.00123	-.00066	-.00283	.00194	-.00059

RUN NO. 736/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.037	1.05112	-.13559	-.16860	.12896	.14509	.12675	.05966	.00086	-.00091	.00311
-.000	-4.035	1.05064	.02372	-.00759	.01340	.02860	.11979	.05581	.00369	-.00302	.00332
-.001	-.023	1.04965	.19332	.16304	-.09377	-.09377	.11558	.05348	.00559	-.00445	.00373
-.002	3.980	1.04968	.35727	.32716	-.22723	-.21266	.11246	.05073	.00766	-.00620	.00445
	GRADIENT	-.00012	.04162	.04177	-.03002	-.03010	-.00092	-.00063	.00050	-.00040	.00014

RUN NO. 737/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.068	1.04979	-.12559	-.16081	.11868	.13561	.13747	.06487	-.12462	.08299	-.03940
3.997	-4.012	1.05097	.06003	.02557	-.01462	.00201	.14801	.07721	-.12285	.08295	-.04121
3.994	.019	1.05033	.23520	.20239	-.14024	-.12441	.15244	.08500	-.11419	.07795	-.04023
3.995	3.989	1.04978	.38540	.35529	-.24978	-.23517	.13795	.07641	-.08764	.05806	-.03226
	GRADIENT	-.00015	.04067	.04122	-.02940	-.02965	-.00125	-.00009	.00439	-.00311	.00112

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0070) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 738/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.095	1.09720	-.12362	-.16413	.12814	.14778	.14722	.06429	.09925	-.06462	-.03868
-4.011	-3.961	1.10108	.04480	.00634	.00535	.02392	.14199	.06298	.08759	-.05636	.03797
-4.001	-.000	1.10037	.21207	.17530	-.11664	-.09895	.13712	.06137	.07942	-.05124	.03834
-3.997	4.095	1.09979	.37839	.34344	-.23934	-.22265	.12965	.05719	.07082	-.04579	.03537
	GRADIENT	-.00016	.04141	.04184	-.03037	-.03061	-.00153	-.00072	-.00208	.00131	-.00033

RUN NO. 739/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.044	1.10170	-.15823	-.19631	.15421	.17265	.14488	.06686	-.00145	.00071	.00230
.000	-4.739	1.10104	-.02677	-.06330	.05818	.07580	.13955	.06448	.00048	-.00067	.00240
.000	-4.041	1.10007	.00023	-.03608	.03891	.05641	.13844	.06374	.00141	-.00143	.00256
-.001	-.026	1.10028	.17208	.13667	-.08590	-.06893	.13452	.06135	.00352	-.00290	.00288
-.002	3.968	1.09914	.33280	.29771	-.20336	-.18662	.13125	.05839	.00518	-.00419	.00325
	GRADIENT	-.00016	.04150	.04167	-.03020	-.03030	-.00094	-.00068	.00052	-.00038	.00009

RUN NO. 740/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.069	1.10038	-.14618	-.18682	.14431	.16383	.16354	.07969	-.13004	.08846	-.04093
3.997	-4.075	1.10049	.03285	-.00598	.01406	.03292	.17025	.09093	-.12962	.08961	-.04303
3.996	.013	1.10051	.21258	.17563	-.11683	-.09888	.17411	.09862	-.12532	.08825	-.04360
4.003	4.061	1.09966	.36268	.32816	-.22673	-.20994	.16142	.09099	-.10390	.07304	-.03746
	GRADIENT	-.00010	.04055	.04108	-.02960	-.02985	-.00108	.00001	.00316	-.00203	.00068

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.961	1.14755	-.10599	-.14038	.11245	.12917	.13950	.06926	.09827	-.06323	.03835
-4.014	-3.954	1.15084	.06724	.03442	-.01533	.00052	.13642	.06902	.08768	-.05623	.03946
-4.002	-.009	1.14981	.23299	.20081	-.13657	-.12108	.13440	.06817	.08025	-.05181	.03829
-3.989	4.006	1.14979	.38582	.35427	-.24721	-.23206	.12967	.06450	.07105	-.04583	.03566
	GRADIENT	-.00013	.04002	.04018	-.02913	-.02922	-.00085	-.00057	-.00209	.00131	-.00048

RUN NO. 742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.060	1.15041	-.14507	-.17735	.14221	.15788	.13796	.07193	-.00087	.00063	.00235
-.000	-4.055	1.15170	.02832	-.00250	.01420	.02909	.13318	.06996	.00121	-.00079	.00288
-.001	-.038	1.15042	.19713	.16658	-.10951	-.09484	.13223	.06917	.00355	-.00264	.00341
-.002	4.079	1.14856	.35282	.32188	-.22213	-.20741	.12965	.06531	.00554	-.00416	.00353
	GRADIENT	-.00039	.03989	.03987	-.02905	-.02907	-.00044	-.00057	.00053	-.00041	.00008

RUN NO. 743/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.045	1.14790	-.13069	-.16708	.13104	.14859	.15782	.08301	-.12957	.08786	-.04114
4.004	-4.022	1.15203	.05794	.02445	-.00807	.00818	.16759	.09911	-.13368	.09323	-.04497
3.995	.013	1.15113	.22553	.19310	-.13015	-.11440	.16972	.10346	-.12267	.08623	-.04261
4.004	4.093	1.14956	.37402	.34336	-.23803	-.22309	.15956	.09708	-.10275	.07207	-.03733
	GRADIENT	-.00031	.03895	.03930	-.02834	-.02850	-.00099	-.00025	.00381	-.00261	.00094

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0072) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO.		745/ O	RN/L =	2.49	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
-4.005	-7.964	1.24881	-.09058	-.12080	.10001	.11484	.14066	.07948	.09870
-4.015	-3.941	1.24930	.07825	.04875	-.02621	-.01185	.13911	.07898	.08827
-4.003	-.008	1.24983	.24263	.21391	-.14763	-.13368	.13793	.07927	.08037
-3.986	3.998	1.25035	.38664	.35865	-.25261	-.23904	.13388	.07657	.07284
	GRADIENT	.00013	.03884	.03903	-.02851	-.02861	-.00066	-.00031	-.00194
RUN NO.		746/ O	RN/L =	2.49	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
.001	-8.060	1.25028	-.12318	-.15164	.12507	.13899	.13829	.08051	.00109
-.000	-4.039	1.25038	.04468	.01727	-.00155	.01181	.13593	.08010	.00349
-.001	-.024	1.24955	.21249	.18525	-.12499	-.11181	.13530	.07947	.00572
.001	3.969	1.25029	.35580	.32818	-.22811	-.21488	.13362	.07651	.00707
	GRADIENT	-.00001	.03885	.03882	-.02829	-.02831	-.00029	-.00045	.00045
RUN NO.		747/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		748/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		749/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		750/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		751/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		752/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		753/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		754/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		755/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		756/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		757/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		758/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		759/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317
RUN NO.		760/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314
4.002	-4								

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.967	1.24944	-.10147	-.13171	.10949	.12437	.13937	.07829	.10175	-.06644	.04063
-4.015	-3.945	1.25010	.06775	.03844	-.01732	-.00301	.13725	.07767	.09031	-.05841	.03947
-3.998	-.005	1.25041	.23395	.20547	-.14017	-.12635	.13613	.07792	.08199	-.05337	.03800
-3.988	3.995	1.24988	.37719	.34940	-.24474	-.23129	.13180	.07483	.07430	-.04885	.03576
	GRADIENT	-.00003	.03896	.03915	-.02864	-.02874	-.00069	-.00036	-.00202	.00120	-.00047

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.038	1.25007	-.13399	-.16237	.13435	.14824	.13677	.07917	-.00006	-.00021	.00244
.001	-5.156	1.25035	-.01578	-.04333	.04496	.05841	.13453	.07848	.00166	-.00158	.00305
.000	-4.030	1.25005	.03328	.00611	.00822	.02144	.13385	.07843	.00286	-.00251	.00342
-.001	-.018	1.24963	.20025	.17325	-.11476	-.10173	.13310	.07758	.00537	-.00465	.00413
-.002	3.974	1.24971	.34607	.31847	-.21993	-.20671	.13228	.07521	.00736	-.00604	.00455
	GRADIENT	-.00004	.03908	.03903	-.02851	-.02851	-.00020	-.00040	.00056	-.00044	.00014

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.087	1.24929	-.12643	-.15886	.12746	.14326	.15548	.08939	-.12462	.08450	-.04063
3.999	-4.108	1.25015	.04343	.01314	-.00003	.01477	.15731	.09578	-.11593	.07862	-.03975
3.995	.016	1.25009	.21256	.18404	-.12455	-.11063	.15919	.10115	-.10397	.07055	-.03741
4.004	4.083	1.24914	.35390	.32592	-.22661	-.21297	.15202	.09510	-.09050	.06211	-.03403
	GRADIENT	-.00012	.03791	.03819	-.02767	-.02781	-.00064	-.00008	.00310	-.00202	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0074) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABDX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1431/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.958	1.29979	-.09436	-.12364	.10356	.11791	.14081	.08148	.10292	-.06799	.04044
-4.020	-3.942	1.30005	.07074	.04248	-.02192	-.00811	.13757	.08010	.09072	-.05892	.03875
-3.997	-.013	1.29996	.23329	-.14258	-.12918	-.13664	.13664	.08026	.08041	-.05183	.03700
-3.983	3.996	1.29974	.37472	.34745	-.24511	-.23190	.13347	.07758	.07251	-.04723	.03514
	GRADIENT	-.00004	.03828	.03841	-.02811	-.02818	-.00052	-.00032	-.00229	.00147	-.00046

RUN NO. 1432/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.063	1.29976	-.12595	-.15368	.12675	.14030	.13843	.08207	-.00103	.00075	.00212
.000	-4.039	1.30001	.04060	.01377	.00063	.01366	.13559	.08075	.00024	-.00022	.00305
.000	-.022	1.30009	.20491	.17821	-.12106	-.10812	.13544	.08074	.00316	-.00274	.00365
-.002	3.970	1.30016	.34705	.31991	-.22383	-.21080	.13403	.07800	.00538	-.00430	.00393
	GRADIENT	.00002	.03827	.03823	-.02803	-.02803	-.00019	-.00034	.00064	-.00051	.00011

RUN NO. 1433/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.078	1.29955	-.12326	-.15489	.12363	.13907	.15278	.08842	-.12235	.08348	-.03975
4.003	-4.020	1.30027	.04371	.01345	-.00230	.01242	.15379	.09203	-.11208	.07587	-.03804
3.996	.021	1.30025	.21077	.18298	-.12669	-.11316	.15435	.09767	-.11027	.06787	-.03585
4.005	4.094	1.29976	.35283	.32550	-.22860	-.21528	.15011	.09446	-.08786	.05997	-.03333
	GRADIENT	-.00006	.03809	.03845	-.02789	-.02806	-.00045	.00030	.00298	-.00196	.00058

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (RC0075) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1435/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.019	1.34953	-.09345	-.12236	.10248	.11670	.14251	.08412	.10494	-.06980	.03991
-4.002	-4.024	1.35011	.06075	.03295	-.01577	-.00215	.13898	.08262	.09131	-.05928	.03770
-3.999	-.006	1.34992	.22884	.20162	-.14154	-.12830	.13647	.08093	.07972	-.05117	.03611
-3.983	3.992	1.34965	.37119	.34432	-.24409	-.23106	.13451	.07952	.07260	-.04761	.03436
	GRADIENT	-.00006	.03873	.03885	-.02849	-.02856	-.00056	-.00039	-.00233	.00146	-.00042

RUN NO. 1436/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.103	1.34944	-.12453	-.15175	.12499	.13830	.14055	.08526	.00017	.00000	.00235
.000	-4.048	1.35053	.03990	.01367	-.00075	.01198	.13612	.08248	.00244	-.00194	.00335
.000	-.034	1.34984	.20314	.17721	-.12195	-.10938	.13558	.08249	.00442	-.00372	.00388
-.002	3.963	1.34948	.34539	.31838	-.22416	-.21112	.13631	.08085	.00608	-.00505	.00436
	GRADIENT	-.00013	.03814	.03804	-.02789	-.02785	.00002	-.00020	.00045	-.00039	.00013

RUN NO. 1437/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.084	1.34933	-.12152	-.15263	.12145	.13663	.15144	.08811	-.11897	.08112	-.03847
4.001	-4.001	1.34995	.04288	.01320	-.00383	.01060	.15057	.08999	-.10785	.07274	-.03646
4.000	-.001	1.34996	.20126	.17241	-.12182	-.10782	.15080	.09180	-.09473	.06376	-.03367
4.000	4.042	1.34974	.34343	.31616	-.22407	-.21079	.14662	.09106	-.08286	.05622	-.03136
	GRADIENT	-.00003	.03736	.03766	-.02738	-.02752	-.00049	.00013	.00311	-.00205	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0076) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1438/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.957	1.40011	-.08638	-.11530	.09690	.11113	.14501	.08661	.10504	-.07068	.03930
-4.017	-3.943	1.40013	.06003	.03248	-.01682	-.00330	.14013	.08432	.09175	-.06031	.03657
-4.007	.002	1.40019	.22539	.19863	-.14068	-.12763	.13758	.08311	.08015	-.05203	.03514
-3.982	3.991	1.40011	.36742	.34086	-.24343	-.23053	.13558	.08131	.07120	-.04662	.03380
	GRADIENT	-.00000	.03874	.03886	-.02856	-.02863	-.00057	-.00038	-.00259	.00172	-.00035

RUN NO. 1439/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.091	1.39962	-.12122	-.14807	.12225	.13538	.14252	.08801	.00168	-.00162	.00282
.000	-4.865	1.40001	.00089	-.02541	.02764	.04044	.13814	.08454	.00318	-.00287	.00352
-.000	-4.026	1.40031	.03598	.01011	.00056	.01314	.13747	.08465	.00358	-.00324	.00377
-.001	-.033	1.39975	.19940	.17314	-.12169	-.10896	.13693	.08318	.00477	-.00417	.00427
-.002	3.965	1.39990	.34228	.31560	-.22445	-.21153	.13662	.08197	.00594	-.00513	.00447
	GRADIENT	-.00003	.03880	.03873	-.02865	-.02863	-.00015	-.00031	.00031	-.00025	.00010

RUN NO. 1440/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.082	1.40004	-.11883	-.14962	.11882	.13388	.15102	.08847	.11680	.07975	.03763
4.009	-4.050	1.40031	.03474	.00587	-.00034	.01375	.14474	.08602	-.10352	.06941	-.03437
3.998	.020	1.40049	.19614	.16762	-.12015	-.10631	.14827	.08998	-.09113	.06088	-.03227
4.000	4.045	1.40013	.33659	.30879	-.22125	-.20773	.14465	.08790	-.07905	.05298	-.03003
	GRADIENT	-.00002	.03729	.03743	-.02730	-.02737	-.00001	.00023	.00302	-.00203	.00054

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0077) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1441/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.940	-7.936	1.54891	-.08015	-.10794	.09121	.10480	.14877	.09235	.10001	-.06755	.03722
-3.917	-3.971	1.54955	.04122	.01419	-.00421	.00901	.14085	.08594	.08982	-.06006	.03320
-3.901	-.025	1.54931	.19772	.17202	-.12405	-.11153	.13493	.08260	.07893	-.05226	.03217
-3.919	3.934	1.54959	.33811	.31350	-.22721	-.21522	.13034	.08016	.06908	-.04563	.03188
	GRADIENT	.00000	.03756	.03786	-.02821	-.02836	-.00133	-.00073	-.00262	.00183	-.00017

RUN NO. 1442/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.943	1.54887	-.10941	-.13520	.11276	.12540	.14675	.09445	.00021	-.00024	.00194
-.001	-3.940	1.54991	.01995	-.00521	.01064	.02285	.13873	.08728	.00218	-.00209	.00286
-.000	.068	1.54908	.17511	.14983	-.10852	-.09628	.13430	.08251	.00394	-.00366	.00336
-.001	4.054	1.54885	.31892	.29388	-.21348	-.20134	.13126	.08002	.00418	-.00372	.00358
	GRADIENT	-.00013	.03740	.03742	-.02804	-.02805	-.00094	-.00091	.00025	-.00020	.00009

RUN NO. 1443/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.042	-8.147	1.54870	-.11081	-.13798	.11226	.12553	.15176	.09652	-.11217	.07696	-.03635
4.071	-4.160	1.55000	.01080	-.01644	.01667	.02997	.14201	.08661	-.09732	.06549	-.03175
4.098	.019	1.54937	.17196	.14314	-.10640	-.09243	.14128	.08232	-.08397	.05621	-.02901
4.069	4.115	1.54922	.31529	.28800	-.21099	-.19780	.13867	.08270	-.07478	.05020	-.02832
	GRADIENT	-.00009	.03680	.03679	-.02752	-.02753	-.00040	-.00047	.00273	-.00185	.00041

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.040	-8.050	1.39943	-.10994	-.13904	.11833	.13265	.14542	.08668	.10767	-.07236	.04037
-4.063	-3.921	1.39987	.04220	.01474	.00004	.01350	.13877	.08313	.09348	-.06126	.03723
-4.071	-.014	1.40069	.20568	.17926	-.12277	-.10992	.13589	.08196	.08176	-.05289	.03574
-4.053	3.987	1.39965	.34814	.32177	-.22647	-.21368	.13325	.07928	.07308	-.04775	.03446
	GRADIENT	-.00003	.03868	.03881	-.02863	-.02872	-.00070	-.00049	-.00258	.00171	-.00035

RUN NO. 1560/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.018	1.39952	-.13830	-.16512	.13875	.15186	.14243	.08794	.00175	-.00157	.00318
-.003	-4.879	1.39979	-.01841	-.04445	.04547	.05813	.13712	.08396	.00302	-.00265	.00373
-.004	-4.010	1.40021	.01877	-.00691	.01681	.02928	.13583	.08332	.00381	-.00335	.00403
-.005	-.034	1.39961	.18114	.15530	-.10478	-.09227	.13460	.08163	.00498	-.00426	.00454
-.006	4.002	1.39889	.32498	.29840	-.20870	-.19588	.13379	.07913	.00617	-.00524	.00470
	GRADIENT	-.00012	.03876	.03869	-.02869	-.02866	-.00034	-.00053	.00033	-.00027	.00011

RUN NO. 1561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.046	1.39997	-.13570	-.16589	.13501	.14973	.15255	.09112	-.11874	.08110	-.03778
3.987	-4.024	1.39988	.01478	-.01350	.01808	.03183	.14391	.08618	-.10309	.06896	-.03413
3.977	.010	1.40044	.17640	.14916	-.10276	-.08950	.14466	.08912	-.09081	.06044	-.03200
3.988	4.047	1.39973	.31773	.29044	-.20446	-.19125	.14143	.08555	-.07818	.05214	-.02960
	GRADIENT	-.00002	.03754	.03766	-.02757	-.02764	-.00031	-.00008	.00309	-.00208	.00056

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0079) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.982	-7.934	1.54903	-.09643	-.12413	.10668	.12023	.14921	.09298	.10121	-.06828	.03768
-3.977	-3.871	1.54918	.02724	.00021	.00920	.02242	.13989	.08501	.09034	-.06020	.03342
-3.966	-.015	1.54897	.18083	.15582	-.10878	-.09655	.13261	.08182	.08022	-.05304	.03261
-3.980	3.943	1.54971	.32039	.29627	-.21187	-.20010	.12728	.07822	.07054	-.04660	.03231
	GRADIENT	.00007	.03750	.03788	-.02828	-.02846	-.00161	-.00087	-.00253	.00174	-.00014

RUN NO. 1564/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.988	1.54922	-.12705	-.15251	.12872	.14120	.14649	.09492	.00054	-.00037	.00220
-.004	-3.934	1.55008	.00228	-.02247	.02659	.03861	.13739	.08684	.00246	-.00221	.00296
-.005	.070	1.54907	.15758	.13274	-.09278	-.08075	.13158	.08070	.00405	-.00365	.00359
-.005	4.070	1.54731	.30363	.27890	-.19917	-.18718	.12911	.07854	.00401	-.00353	.00372
	GRADIENT	-.00035	.03765	.03765	-.02821	-.02821	-.00103	-.00104	.00019	-.00017	.00009

RUN NO. 1565/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.125	1.54866	-.12471	-.15184	.12541	.13867	.15180	.09667	-.11280	.07733	-.03625
4.061	-4.089	1.54841	-.00462	-.03121	.03060	.04359	.13964	.08558	-.09593	.06419	-.03101
4.083	.021	1.54993	.15401	.12606	-.09084	-.07728	.13688	.07973	-.08343	.05566	-.02846
4.061	4.094	1.54893	.29653	.26977	-.19480	-.18184	.13506	.08023	-.07458	.04997	-.02796
	GRADIENT	.00006	.03681	.03678	-.02755	-.02755	-.00056	-.00066	.00261	-.00174	.00037

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0080) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.		756/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.037	.60009	.01087	-.00645	-.01231	-.00473	.05097	.01242	.09840	-.06500	.03170
-3.999	-4.000	.59999	.13252	.11731	-.09655	-.08996	.04949	.01541	.08892	-.05907	.03055
-4.005	.051	.60102	.26259	.24983	-.18576	-.18035	.04275	.01376	.07798	-.05211	.02943
-4.004	3.901	.60012	.38747	.37591	-.27237	-.26779	.03130	.00376	.06696	-.04447	.02774
	GRADIENT	.00002	.03227	.03273	-.02225	-.02251	-.00230	-.00147	-.00278	.00185	-.00035
RUN NO.		757/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.941	.59991	-.02000	-.03401	.01188	.01779	.04862	.01662	-.00022	.00040	.00135
.000	-3.929	.60042	.09575	.08388	-.06821	-.06316	.04638	.01946	.00114	-.00047	.00172
-.000	.073	.60083	.22094	.21114	-.15426	-.15022	.04020	.01748	.00175	-.00088	.00212
-.001	4.051	.60032	.34850	.34022	-.24275	-.23954	.02852	.00856	.00282	-.00146	.00267
	GRADIENT	-.00001	.03167	.03212	-.02187	-.02210	-.00224	-.00137	.00021	-.00012	.00012
RUN NO.		758/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.048	.59955	-.00177	-.01878	-.00558	.00198	.05045	.01306	-.10295	-.06864	-.02958
3.999	-4.007	.60103	.12008	.10574	-.09018	-.08403	.04841	.01603	-.09067	.06122	-.02862
3.994	-.043	.60042	.24066	.22810	-.17295	-.16764	.04179	.01319	-.07791	.05318	-.02683
3.996	4.003	.60007	.36261	.35285	-.25712	-.25296	.02831	.00618	-.06359	.04350	-.02361
	GRADIENT	-.00012	.03028	.03085	-.02084	-.02109	-.00251	-.00123	.00338	-.00221	.00063

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 760/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.037	.79964	.01500	-.00259	-.01586	-.00792	.05608	.01786	.09830	-.06450	.03217
-4.005	-3.957	.80025	.14592	.13176	-.10749	-.10125	.05103	.01968	.08817	-.05797	.03132
-4.004	.060	.79994	.28315	.27089	-.20217	-.19687	.04431	.01682	.07768	-.05142	.03072
-3.994	3.999	.79982	.42635	.41597	-.30247	-.29823	.03312	.00890	.06756	-.04468	.02981
	GRADIENT	-.00005	.03525	.03572	-.02451	-.02476	-.00225	-.00135	-.00259	.00167	-.00019

RUN NO. 761/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.904	.79994	-.02793	-.04214	.01674	.02286	.05195	.01996	-.00099	.00107	.00162
.000	-3.927	.80054	.09628	.08488	-.07019	-.06528	.04752	.02187	-.00046	.00083	.00162
-.001	.089	.79984	.23296	.22345	-.16455	-.16048	.04147	.01996	.00068	-.00000	.00228
-.001	4.097	.79929	.37511	.36750	-.26376	-.26063	.02978	.01213	.00141	-.00055	.00298
	GRADIENT	-.00016	.03475	.03522	-.02412	-.02435	-.00221	-.00121	.00023	-.00017	.00017

RUN NO. 762/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.019	.79967	.00019	-.01689	-.00847	-.00101	.05416	.01611	-.10403	.06916	-.02997
3.996	-4.036	.80079	.12726	.11314	-.09719	-.09115	.04949	.01759	-.09278	.06235	-.02969
3.985	-.046	.80040	.25502	.24301	-.18521	-.18007	.04275	.01557	-.07903	.05361	-.02797
4.006	3.924	.79982	.38822	.37846	-.27750	-.27336	.03144	.00927	-.06508	.04381	-.02475
	GRADIENT	-.00012	.03278	.03333	-.02265	-.02289	-.00227	-.00104	.00348	-.00233	.00062

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(RCD082) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 765/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.993	-8.076	.89956	-.00596	-.02343	.00117	.00913	.06443	.02679	.09973	-.06420	.03254
-4.006	-3.987	.90035	.13201	.11834	-.09603	-.08989	.05696	.02718	.08952	-.05821	.03165
-4.005	.105	.90008	.28840	.27699	-.20553	-.20048	.04964	.02450	.07846	-.05150	.03159
-3.992	4.003	.89989	.43623	.42675	-.30967	-.30571	.04264	.02089	.07052	-.04606	.02897
	GRADIENT	-.00006	.03808	.03860	-.02674	-.02701	-.00179	-.00079	-.00238	.00152	-.00033

RUN NO. 766/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.910	.90074	-.05412	-.06824	.03826	.04456	.05987	.02892	-.00037	.00018	.00194
.000	-4.528	.90005	.05708	.04548	-.04029	-.03518	.05377	.02812	.00070	-.00048	.00177
-.002	-3.906	.89981	.07848	.06710	-.05532	-.05031	.05297	.02775	.00072	-.00048	.00171
-.000	-.016	.89992	.22081	.21144	-.15527	-.15107	.04631	.02586	.00147	-.00095	.00221
-.001	3.966	.89963	.37025	.36314	-.26009	-.25691	.03855	.02300	.00089	-.00017	.00333
	GRADIENT	-.00003	.03690	.03743	-.02590	-.02612	-.00180	-.00059	.00004	.00002	.00019

RUN NO. 767/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-7.986	.89964	-.02271	-.04027	.00873	.01653	.06296	.02435	-.10542	.06839	-.02989
3.996	-4.036	.90052	.11256	.09895	-.08560	-.07972	.05548	.02493	-.09145	.05995	-.02949
3.980	.031	.90033	.25880	.24767	-.18748	-.18270	.05064	.02555	-.07953	.05299	-.02900
4.002	3.992	.89969	.39349	.38400	-.28127	-.27714	.04088	.01969	-.06581	.04334	-.02294
	GRADIENT	-.00010	.03500	.03551	-.02438	-.02459	-.00182	-.00065	.00319	-.00207	.00081

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0083) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .950 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 768/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.070	.94836	-.02666	-.04329	.01948	.02710	.07133	.03564	.10006	-.06410	.03227
-4.004	-3.923	.95022	.11773	.10512	-.08303	-.07727	.06310	.03598	.08759	-.05584	.03154
-4.003	-.008	.95023	.27204	.26167	-.19256	-.18775	.05605	.03402	.07597	-.04841	.03135
-3.987	3.988	.94976	.42115	.41294	-.29774	-.29400	.04815	.03043	.06713	-.04259	.03014
	GRADIENT	-.00006	.03835	.03891	-.02714	-.02739	-.00189	-.00070	-.00258	.00167	-.00018

RUN NO. 769/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.035	.95002	-.07530	-.09005	.05728	.06400	.07008	.03827	-.00138	.00149	.00145
.000	-4.021	.95077	.05972	.04925	-.03933	-.03468	.05982	.03682	.00081	-.00040	.00172
-.001	.094	.95116	.21538	.20707	-.15011	-.14624	.05238	.03476	.00113	-.00056	.00253
-.001	3.974	.94958	.36739	.36159	-.25715	-.25437	.04358	.03155	.00076	-.00007	.00329
	GRADIENT	-.00015	.03848	.03906	-.02724	-.02747	-.00203	-.00066	-.00001	.00004	.00020

RUN NO. 770/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.988	.94913	-.04219	-.05878	.02654	.03396	.07044	.03417	-.10505	.06728	-.02969
3.997	-4.053	.94977	.09536	.08186	-.07097	-.06499	.06167	.03193	-.08978	.05748	-.02961
3.983	.074	.95287	.24711	.23596	-.17751	-.17253	.05905	.03462	-.07860	.05115	-.02858
4.000	3.990	.94807	.38307	.37453	-.27285	-.26881	.04695	.02909	-.06229	.03920	-.02338
	GRADIENT	-.00020	.03578	.03640	-.02511	-.02535	-.00182	-.00034	.00341	-.00227	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABDX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 778/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.010	1.04814	-0.04900	-0.06805	.04771	.05652	.09518	.05459	.09771	-.06053	.03493
-3.998	-4.014	1.05130	.11523	.09818	-.07018	-.06236	.09062	.05406	.08431	-.05110	.03427
-4.006	-.013	1.04991	.28213	.26734	-.19095	-.18417	.08427	.05254	.07212	-.04285	.03351
-3.985	3.991	1.04964	.44122	.42853	-.30597	-.30020	.07815	.05077	.06144	-.03599	.03002
	GRADIENT	-.00021	.04073	.04127	-.02946	-.02971	-.00156	-.00041	-.00286	.00189	-.00053

RUN NO. 779/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.923	1.04833	-.08781	-.10409	.07839	.08604	.09340	.05918	.00025	-.00035	.00255
-.001	-4.029	1.05158	.05800	.04237	-.02545	-.01801	.09055	.05809	.00408	-.00334	.00325
-.002	-.017	1.05105	.22920	.21455	-.14868	-.14175	.08536	.05475	.00543	-.00427	.00374
-.002	4.082	1.04940	.39779	.38677	-.27275	-.26745	.07537	.05263	.00684	-.00563	.00522
	GRADIENT	-.00027	.04189	.04246	-.03049	-.03076	-.00187	-.00067	.00034	-.00028	.00024

RUN NO. 780/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.059	1.04705	-.07526	-.09417	.06276	.07165	.09407	.05427	-.10149	.06234	-.03198
3.997	-4.068	1.05352	.09652	.07801	-.05780	-.04898	.10695	.06848	-.09992	.06280	-.03479
3.993	.006	1.05074	.26538	.24937	-.17894	-.17137	.10711	.07365	-.09035	.05705	-.03323
4.004	4.058	1.04948	.41082	.39800	-.28511	-.27913	.08506	.05793	-.06351	.03775	-.02454
	GRADIENT	-.00050	.03868	.03938	-.02798	-.02832	-.00269	-.00130	.00448	-.00308	.00126

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0085) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 782/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-8.082	1.09723	-.08058	-.10488	.08162	.09311	.11766	.06683	.09607	-.06155	.03606
-4.009	-3.955	1.10231	.08596	.06569	-.04014	-.03057	.10861	.06619	.08361	-.05233	.03500
-4.005	-.017	1.10044	.24833	.22952	-.15806	-.14915	.10365	.06433	.07442	-.04611	.03484
-3.983	3.992	1.09952	.40665	.38919	-.27419	-.26577	.09843	.06252	.06606	-.04096	.03214
	GRADIENT	-.00035	.04035	.04071	-.02945	-.02960	-.00128	-.00046	-.00221	.00143	-.00036

RUN NO. 783/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.060	1.10056	-.12069	-.14073	.11132	.12089	.11204	.07047	-.00033	-.00023	.00252
-.000	-4.760	1.10186	.00711	-.01133	.01875	.02762	.10740	.06942	.00224	-.00217	.00284
-.002	-4.038	1.10043	.03356	.01515	.00008	.00896	.10656	.06872	.00291	-.00276	.00287
-.001	-.027	1.09973	.20084	.18281	-.12044	-.11169	.10312	.06627	.00440	-.00382	.00310
-.002	3.972	1.09978	.36273	.34591	-.23952	-.23124	.09808	.06415	.00631	-.00544	.00397
	GRADIENT	-.00019	.04092	.04110	-.02972	-.02978	-.00105	-.00060	.00045	-.00035	.00012

RUN NO. 784/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.034	1.09892	-.10309	-.12851	.09431	.10659	.11911	.06692	-.10720	.06911	-.03465
4.002	-4.011	1.10103	.07253	.05110	-.03258	-.02219	.12461	.08079	-.10601	.06947	-.03644
3.995	.014	1.10082	.23915	.21942	-.15250	-.14230	.12739	.08177	-.09962	.06600	-.03599
4.002	4.063	1.09992	.38607	.36824	-.25968	-.25102	.11481	.07837	-.07634	.04910	-.02909
	GRADIENT	-.00014	.03883	.03927	-.02812	-.02834	-.00122	-.00030	.00368	-.00253	.00091

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 785/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.078	1.14742	-.06760	-.08580	.06977	.07833	.11091	.07264	.09627	-.06108	.03608
-4.020	-3.947	1.15129	.10815	.09237	-.06031	-.05291	.10540	.07216	.08440	-.05284	.03673
-4.002	-.008	1.15002	.26702	.25258	-.17581	-.16900	.10174	.07147	.07553	-.04698	.03497
-4.001	4.087	1.14945	.41842	.40521	-.28535	-.27905	.09602	.08860	.06590	-.04047	.03170
	GRADIENT	-.00023	.03861	.03893	-.02800	-.02814	-.00117	-.00044	-.00230	.00154	-.00063

RUN NO. 786/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.030	1.14853	-.10578	-.12119	.09912	.10643	.10801	.07590	-.00168	.00106	.00193
-.000	-4.053	1.15224	.05925	.04555	-.02227	-.01564	.10345	.07538	.00190	-.00156	.00288
-.001	-.033	1.15125	.22555	.21228	-.14356	-.13708	.10116	.07419	.00431	-.00343	.00345
-.002	4.092	1.14909	.37997	.36763	-.25591	-.24980	.09562	.07081	.00662	-.00525	.00404
	GRADIENT	-.00039	.03937	.03954	-.02868	-.02874	-.00096	-.00056	.00058	-.00045	.00014

RUN NO. 787/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.090	1.14649	-.09165	-.11076	.08433	.09358	.11432	.07517	-.10785	.06969	-.03507
3.999	-4.007	1.15127	.09545	.07886	-.05246	-.04441	.12473	.09079	-.11055	.07363	-.03862
3.994	.007	1.15166	.25308	.23775	-.16603	-.15853	.12615	.09506	-.09740	.06447	-.03536
4.004	4.077	1.14969	.39336	.38000	-.26748	-.26096	.11278	.08561	-.07379	.04691	-.02832
	GRADIENT	-.00020	.03685	.03725	-.02660	-.02679	-.00148	-.00065	.00455	-.00331	.00128

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 788/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.964	1.24888	-0.05703	-0.07443	.06358	.07174	.11771	.08102	.09726	-0.06280	.03752
-4.012	-3.952	1.25044	.11008	.09481	-0.06248	-0.05524	.11285	.08098	.08643	-0.05505	.03624
-4.008	-0.009	1.25024	.26981	.25585	-0.17955	-0.17289	.11094	.08199	.07759	-0.04936	.03504
-3.989	4.001	1.24980	.40904	.39650	-0.28027	-0.27422	.10586	.08008	.06936	-0.04437	.03293
	GRADIENT	-0.00008	.03758	.03793	-0.02738	-0.02753	-0.00088	-0.00011	-0.00215	.00134	-0.00042

RUN NO. 789/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.075	1.24943	-0.09544	-0.11001	.09340	.10039	.11356	.08347	-0.00009	-0.00024	.00200
-0.000	-4.041	1.25050	.07232	.05884	-0.03280	-0.02624	.11128	.08378	.00316	-0.00275	.00308
-0.001	-0.024	1.25014	.23545	.22226	-0.15263	-0.14614	.10991	.08327	.00553	-0.00479	.00371
-0.002	4.091	1.24921	.37682	.36425	-0.25387	-0.24763	.10577	.08059	.00718	-0.00608	.00451
	GRADIENT	-0.00016	.03744	.03755	-0.02718	-0.02722	-0.00068	-0.00039	.00049	-0.00041	.00018

RUN NO. 790/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.082	1.24904	-0.08464	-0.10311	.08143	.09029	.12534	.08721	-0.11782	.07857	-0.03863
3.997	-4.090	1.25065	.08586	.06923	-0.04585	-0.03780	.12851	.09444	-0.10914	.07261	-0.03753
4.000	.014	1.25014	.24692	.23176	-0.16310	-0.15567	.13051	.09976	-0.09704	.06407	-0.03498
4.010	4.100	1.25061	.38353	.37038	-0.26115	-0.25464	.12179	.09538	-0.08139	.05391	-0.03095
	GRADIENT	-0.00001	.03635	.03678	-0.03629	-0.02648	-0.00082	.00012	.00339	-0.00228	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABDX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.961	1.24951	-.04464	-.05172	.04780	.05102	.09855	.08326	.09682	-.06188	.03682
-4.015	-3.937	1.25040	.11960	.11382	-.07554	-.07273	.09399	.08214	.08527	-.05340	.03561
-4.002	.032	1.24995	.27991	.27485	-.19250	-.18988	.09317	.08343	.07569	-.04711	.03402
-3.986	3.996	1.24986	.41342	.40941	-.28863	-.28650	.08781	.08029	.06621	-.04089	.03080
	GRADIENT	-.00007	.03704	.03726	-.02686	-.02695	-.00078	-.00023	-.00240	-.00158	-.00061

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.051	1.24945	-.08607	-.09188	.08041	.08320	.09658	.08461	-.00060	.00003	.00212
.000	-5.154	1.25009	.02833	.02271	-.00539	-.00259	.09517	.08397	.00214	-.00213	.00315
.000	-4.063	1.25006	.07278	.06732	-.03839	-.03561	.09455	.08387	.00293	-.00275	.00334
.001	-.026	1.25008	.23782	.23298	-.15957	-.15704	.09313	.08388	.00506	-.00461	.00394
.002	4.102	1.24932	.37925	.37544	-.26094	-.25892	.08840	.08121	.00688	-.00600	.00463
	GRADIENT	-.00009	.03752	.03772	-.02725	-.02734	-.00075	-.00033	.00048	-.00040	.00016

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.103	1.24942	-.07063	-.07820	.06306	.06670	.10031	.08472	-.10693	.06928	-.03525
4.003	-4.001	1.25013	.10128	.09554	-.06474	-.06197	.10376	.09198	-.09749	.06255	-.03406
3.999	.003	1.25021	.25120	.24611	-.17311	-.17058	.10586	.09568	-.08454	.05340	-.03102
4.006	4.086	1.24966	.38223	.37754	-.26594	-.26362	.09724	.08782	-.07052	.04458	-.02723
	GRADIENT	-.00006	.03473	.03486	-.02487	-.02493	-.00081	-.00052	.00334	-.00222	.00085

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0089) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1405/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.018	1.29953	-.04687	-.05487	.05074	.05443	.10331	.08625	.09895	-.06434	.03701
-4.016	-3.945	1.30042	.11749	.11086	-.07442	-.07116	.09847	.08505	.08647	-.05478	.03549
-4.001	-.009	1.30023	.27420	.26845	-.18943	-.18644	.09730	.08632	.07589	-.04723	.03391
-3.986	3.999	1.29953	.40708	.40215	-.28446	-.28186	.09268	.08336	.06601	-.04076	.03100
	GRADIENT	-.00011	.03645	.03666	-.02643	-.02652	-.00073	-.00021	-.00258	.00176	-.00057

RUN NO. 1407/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.090	1.29956	-.08414	-.09061	.07887	.08203	.10100	.08785	-.00122	.00083	.00186
-.000	-4.047	1.30040	.07727	.07102	-.04251	-.03932	.09896	.08678	.00159	-.00137	.00325
-.001	-.019	1.30027	.23647	.23070	-.16017	-.15714	.09769	.08676	.00368	-.00330	.00375
-.002	3.973	1.29948	.37029	.36558	-.25579	-.25332	.09312	.08419	.00543	-.00458	.00403
	GRADIENT	-.00011	.03654	.03673	-.02660	-.02669	-.00073	-.00032	.00048	-.00040	.00010

RUN NO. 1408/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.086	1.29899	-.07456	-.08311	.06718	.07131	.10298	.08544	-.10565	.06908	-.03474
4.002	-4.026	1.30018	.09201	.08524	-.05840	-.05505	.10335	.08973	-.03364	.05996	-.03254
3.995	.015	1.29991	.24589	.24006	-.17096	-.16805	.10475	.09314	-.08263	.05248	-.03035
4.004	4.084	1.29975	.37502	.36954	-.26134	-.25854	.10084	.09020	-.05819	.04269	-.02692
	GRADIENT	-.00005	.03489	.03505	-.02502	-.02509	-.00031	.00006	.00314	-.00213	.00069

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.955	1.34971	-.04432	-.05260	.04893	.05281	.10642	.08892	.10195	-.06687	.03738
-4.014	-3.926	1.35015	.10724	.10033	-.06703	-.06358	.10159	.08781	.08796	-.05596	.03510
-4.004	-.004	1.34966	.26434	.25810	-.18351	-.18027	.09926	.08729	.07592	-.04738	.03366
-3.997	4.092	1.34998	.40195	.39656	-.28117	-.27835	.09556	.08529	.06706	-.04220	.03103
	GRADIENT	-.00002	.03673	.03692	-.02668	-.02676	-.00075	-.00031	-.00260	.00171	-.00051

RUN NO. 1411/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.064	1.34992	-.08574	-.09223	.08049	.08364	.10499	.09171	-.00047	.00038	.00187
-.000	-4.037	1.35045	.07455	.06807	-.04134	-.03803	.10183	.08918	.00302	-.00245	.00341
-.001	-.019	1.34993	.23139	.22559	-.15741	-.15437	.10011	.08910	.00437	-.00381	.00382
-.002	3.979	1.34979	.36642	.36130	-.25385	-.25118	.09755	.08775	.00601	-.00515	.00420
	GRADIENT	-.00008	.03641	.03658	-.02651	-.02659	-.00053	-.00018	.00037	-.00034	.00010

RUN NO. 1412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.090	1.34977	-.07688	-.08531	.06939	.07344	.10570	.08830	-.10516	.06896	-.03428
4.001	-4.085	1.35032	.08106	.07392	-.05062	-.04710	.10407	.08968	-.03288	.05969	-.03198
3.998	.008	1.34990	.23454	.22811	-.16371	-.16052	.10419	.09134	-.08040	.05121	-.02930
4.005	4.077	1.34967	.36575	.35994	-.25600	-.25305	.10170	.09028	-.06844	.04349	-.02690
	GRADIENT	-.00008	.03488	.03505	-.02517	-.02524	-.00029	.00007	.00299	-.00198	.00062

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.953	1.39996	-.04288	-.05139	.04832	.05223	.10987	.09166	.10189	-.06773	.03703
-4.017	-3.932	1.40040	.10072	.09338	-.06264	-.05901	.10468	.08990	.08866	-.05726	.03408
-3.995	-.013	1.39968	.25905	.25255	-.18035	-.17702	.10190	.08926	.07678	-.04876	.03304
-3.987	3.997	1.39952	.39304	.38707	-.27592	-.27286	.09890	.08733	.06695	-.04238	.03116
	GRADIENT	-.00011	.03685	.03703	-.02689	-.02696	-.00073	-.00032	-.00274	.00187	-.00037

RUN NO. 1414/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.060	1.39958	-.08570	-.09269	.08113	.08453	.10848	.09418	.00144	-.00149	.00262
-.000	-4.836	1.39996	.03455	.02731	-.01147	-.00781	.10534	.09105	.00367	-.00329	.00357
-.000	-4.045	1.39963	.06812	.06097	-.03714	-.03352	.10451	.09044	.00419	-.00378	.00385
-.001	-.020	1.39980	.22542	.21892	-.15426	-.15089	.10252	.09002	.00512	-.00453	.00434
-.002	3.971	1.39961	.36016	.35439	-.25052	-.24752	.09982	.08875	.00586	-.00510	.00440
	GRADIENT	-.00002	.03704	.03721	-.02720	-.02728	-.00060	-.00023	.00024	-.00019	.00009

RUN NO. 1415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.085	1.39962	-.07776	-.08604	.07055	.07445	.10866	.09129	-.10519	.06939	-.03387
4.011	-4.019	1.40020	.07462	.06714	-.04714	-.04348	.10245	.08725	-.09013	.05772	-.03024
4.001	.020	1.39987	.22781	.22126	-.16062	-.15739	.10226	.08905	-.07837	.04972	-.02834
4.002	4.052	1.40010	.35712	.35103	-.25136	-.24829	.10170	.08966	-.06639	.04185	-.02613
	GRADIENT	-.00001	.03500	.03517	-.02530	-.02538	-.00009	.00030	.00294	-.00197	.00051

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

DATE 10 SEP 92

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0092) (13 APR 92)

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 1416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.947	-7.934	1.54773	-.04497	-.05320	.05052	.05430	.11462	.09700	.09770	-.06525	.03490
-3.932	-3.878	1.54846	.07865	.07044	-.04645	-.04239	.10707	.09055	.08913	-.05885	.03181
-3.900	-.019	1.55007	.22503	.21838	-.15734	-.15396	.10160	.08860	.07669	-.04986	.03068
-3.903	3.945	1.55098	.35828	.35158	-.25323	-.24983	.09891	.08578	.06491	-.04165	.02967
	GRADIENT	.00032	.03574	.03593	-.02642	-.02651	-.00104	-.00061	-.00310	.00220	-.00027

RUN NO. 1417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.983	1.54882	-.08228	-.09041	.07935	.08325	.11549	.09870	.00060	-.00078	.00195
-.001	-3.942	1.54908	.04466	.03663	-.02009	-.01606	.10868	.09274	.00259	-.00252	.00289
-.001	.081	1.54890	.19383	.18618	-.13359	-.12973	.10403	.08894	.00393	-.00384	.00335
-.002	4.079	1.54804	.33408	.32716	-.23509	-.23157	.10080	.08728	.00435	-.00395	.00372
	GRADIENT	-.00013	.03608	.03622	-.02681	-.02687	-.00098	-.00068	.00022	-.00018	.00010

RUN NO. 1418/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.044	-8.167	1.54626	-.07827	-.08693	.07281	.07690	.11361	.09550	-.10242	.06834	-.03330
4.075	-4.091	1.55001	.04919	.04138	-.02720	-.02344	.10520	.08910	-.09069	.05943	-.02932
4.102	.016	1.54882	.19838	.19105	-.14130	-.13777	.10089	.08583	-.07581	.04870	-.02633
4.071	4.128	1.54842	.32954	.32230	-.23453	-.23098	.10053	.08585	-.06476	.04137	-.02529
	GRADIENT	-.00019	.03411	.03418	-.02523	-.02525	-.00057	-.00039	.00316	-.00220	.00049

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0093) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1540/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.070	-8.088	1.39989	-.06853	-.07666	.07136	.07512	.11046	.09309	.10438	-.06920	.03813
-4.087	-3.928	1.40020	.08252	.07560	-.04583	-.04243	.10414	.09015	.08985	-.05772	.03469
-4.084	-.021	1.39930	.24036	.23439	-.16343	-.16040	.10053	.08883	.07752	-.04879	.03348
-4.077	3.989	1.39996	.37460	.36906	-.25950	-.25665	.09792	.08719	.06794	-.04274	.03178
	GRADIENT	-.00003	.03688	.03705	-.02698	-.02705	-.00079	-.00037	-.00277	.00189	-.00037

RUN NO. 1541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.089	1.39991	-.10697	-.11334	.10067	.10373	.10864	.09552	-.00018	-.00024	.00238
-.001	-4.890	1.40003	.01243	.00552	.00828	.01175	.10483	.09113	.00241	-.00232	.00342
-.002	-4.044	1.40030	.04800	.04130	-.01878	-.01539	.10393	.09073	.00319	-.00299	.00378
-.003	-.048	1.40060	.20569	.19971	-.13663	-.13352	.10102	.08956	.00434	-.00393	.00433
-.004	3.984	1.39903	.34293	.33756	-.23490	-.23213	.09800	.08766	.00528	-.00467	.00442
	GRADIENT	-.00011	.03733	.03750	-.02748	-.02756	-.00076	-.00038	.00030	-.00025	.00011

RUN NO. 1542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.940	-8.067	1.39976	-.09826	-.10580	.08923	.09266	.10803	.09173	-.10392	.06842	-.03327
3.937	-4.051	1.40023	.05422	.04740	-.02858	-.02525	.10121	.08730	-.08831	.05620	-.02961
3.935	.005	1.40008	.20754	.20170	-.14238	-.13949	.10058	.08883	-.07580	.04751	-.02742
3.930	3.999	1.39936	.33777	.33208	-.23450	-.23165	.09830	.08699	-.06328	.03928	-.02493
	GRADIENT	-.00011	.03523	.03537	-.02559	-.02565	-.00036	-.00004	.00311	-.00210	.00058

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0094) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1544/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 180.000	
		CNF		CLMF		CAF		OB-ELV = -5.000	
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CY	CYN	CBL
-4.030	-7.937	1.54739	.06274	.06664	.07008	.11427	.09892	-.06576	.03552
-4.004	-3.878	1.54939	.06185	-.03072	-.02707	.10634	.08847	-.05804	.03170
-3.984	-.032	1.54999	.20734	-.14143	-.13844	.10005	.07773	-.05040	.03119
-3.996	3.929	1.54977	.34189	-.23865	-.23554	.09686	.06698	-.04313	.03058
	GRADIENT	.00005	.03586	-.02662	-.02669	-.00121	-.00084	-.00191	-.00014
RUN NO. 1545/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 180.000	
		CNF		CLMF		CAF		OB-ELV = -5.000	
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CY	CYN	CBL
.000	-7.993	1.54894	-.09891	.09466	.09817	.11579	.00035	.00015	.00193
-.001	-3.938	1.55082	.02763	-.00492	-.00130	.10733	.00200	-.00196	.00271
-.003	.091	1.54949	.17931	-.12062	-.11710	.10154	.00364	-.00342	.00345
-.002	4.047	1.54752	.31886	-.22144	-.21837	.09793	.00326	-.00306	.00353
	GRADIENT	-.00041	.03647	-.02712	-.02719	-.00118	.00016	-.00014	.00010
RUN NO. 1546/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 180.000	
		CNF		CLMF		CAF		OB-ELV = -5.000	
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CY	CYN	CBL
3.983	-8.137	1.54822	-.09593	.08891	.09256	.11402	.10154	.06755	-.03285
4.005	-4.109	1.54881	.03057	-.01076	-.00749	.10359	-.08935	.05826	-.02840
4.036	.011	1.54871	.17992	-.12490	-.12176	.09855	-.07538	.04834	-.02573
4.005	4.081	1.54815	.31330	-.22023	-.21716	.09725	-.06501	.04157	-.02513
	GRADIENT	-.00008	.03453	-.02558	-.02561	-.00077	.00297	-.00204	.00040

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RCD095) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 DB-ELV = 9.000

RUN NO. 1619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.100	.59915	-.04586	-.07088	.03748	.04998	.06198	.01218	.09503	-.06282	.03148
-4.003	-4.007	.59899	.08362	.05927	-.05281	-.04064	.06205	.01364	.09056	-.06026	.03178
-4.003	-.002	.60001	.20971	.18640	-.14005	-.12840	.05693	.01053	.08584	-.05741	.03251
-4.002	3.969	.59954	.34262	.32012	-.23280	-.22159	.04676	.00184	.07505	-.05032	.03125
	GRADIENT	.00007	.03247	.03270	-.02256	-.02269	-.00192	-.00148	.00194	.00125	-.00007

RUN NO. 1620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.001	.59909	-.06530	-.08881	.05212	.06388	.05971	.01292	-.00538	.00396	.00055
.001	-4.015	.59997	.05596	.03382	-.03226	-.02119	.06023	.01619	-.00346	.00260	.00100
.001	.071	.60063	.18409	.16288	-.12001	-.10935	.05595	.01400	-.00148	.00127	.00169
-.001	3.984	.60058	.31067	.29039	-.20785	-.19764	.04581	.00573	.00101	-.00019	.00270
	GRADIENT	.00008	.03184	.03207	-.02195	-.02206	-.00180	-.00130	.00056	-.00035	.00021

RUN NO. 1621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.086	.59901	-.04711	-.07259	.03479	.04764	.06167	.01138	-.10439	.06985	-.03004
4.001	-4.000	.60045	.08163	.05726	-.05467	-.04241	.06196	.01377	-.09171	.06219	-.02861
4.004	-.010	.60028	.20415	.18125	-.13879	-.12725	.05736	.01215	-.07962	.05464	-.02679
3.999	3.979	.59931	.32863	.30634	-.22485	-.21357	.04663	.00281	-.06644	.04597	-.02366
	GRADIENT	-.00014	.03096	.03122	-.02133	-.02145	-.00192	-.00137	.00317	-.00203	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0096) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.098	.79925	-.03556	-.06207	.03013	.04325	.07034	.01714	.09903	-.06578	.03349
-4.003	-4.048	.80053	.10188	.07727	-.06703	-.05489	.06701	.01742	.09252	-.06181	.03325
-3.991	-.033	.80002	.23948	.21571	-.16271	-.15101	.06166	.01367	.08704	-.05842	.03396
-3.998	3.994	.79965	.38918	.36587	-.26766	-.25621	.05236	.00525	.07845	-.05302	.03399
	GRADIENT	-.00011	.03572	.03589	-.02495	-.02503	-.00182	-.00151	-.00175	.00109	.00009

RUN NO. 1624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.021	.80000	-.07174	-.09708	.05718	.06975	.06798	.01718	-.00544	.00373	.00127
-.001	-4.001	.80008	.06158	.03792	-.03675	-.02503	.06528	.01779	-.00327	.00230	.00155
-.000	-.016	.79971	.20006	.17741	-.13243	-.12118	.06114	.01577	-.00151	.00121	.00207
-.001	3.976	.79947	.34591	.32451	-.23465	-.22397	.05106	.00837	.00030	.00014	.00287
	GRADIENT	-.00008	.03565	.03593	-.02481	-.02494	-.00178	-.00118	.00045	-.00027	.00017

RUN NO. 1625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.097	.79908	-.04581	-.07314	.03362	.04720	.06937	.01467	-.10768	.07213	.03088
3.998	-4.058	.80053	.09010	.06461	-.06168	-.04905	.06700	.01585	-.09499	.06444	-.02992
3.991	-.033	.80035	.22361	.19343	-.15400	-.14202	.06171	.01318	-.08178	.05609	-.02824
4.003	3.984	.79951	.36452	.34116	-.25232	-.24073	.05243	.00561	-.06938	.04768	-.02615
	GRADIENT	-.00013	.03412	.03439	-.02371	-.02384	-.00181	-.00127	.00318	-.00208	.00047

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0097) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.085	.89921	-.06206	-.09055	.05548	.06965	.08718	.03024	.09805	-.06355	.03282
-4.002	-4.080	.90017	.08408	.05775	-.04945	-.03644	.08047	.02753	.09327	-.06153	.03377
-3.990	.038	.90006	.23919	.21391	-.15961	-.14714	.07382	.02291	.08731	-.05834	.03503
-3.999	4.002	.89990	.39268	.36849	-.26850	-.25656	.06793	.01921	.07953	-.05277	.03329
	GRADIENT	-.00003	.03818	.03844	-.02710	-.02723	-.00155	-.00103	-.00170	.00108	-.00006

RUN NO. 1627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.014	.89999	-.10578	-.13295	.08911	.10259	.08417	.02970	-.00497	.00301	.00118
-.001	-4.022	.90008	.03491	.01014	-.01153	.00073	.07747	.02772	-.00118	.00021	.00177
-.000	-.022	.89978	.18667	.16320	-.11972	-.10811	.07164	.02447	-.00001	-.00019	.00216
-.001	3.958	.89967	.34475	.32265	-.23181	-.22083	.06582	.02159	.00087	-.00029	.00286
	GRADIENT	-.00005	.03883	.03916	-.02760	-.02777	-.00146	-.00077	.00026	-.00006	.00014

RUN NO. 1628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.085	.89969	-.07967	-.10885	.06419	.07857	.08640	.02753	-.10883	.07140	-.03180
4.003	-4.074	.89994	.06742	.04092	-.04105	-.02793	.07921	.02600	-.09441	.06257	-.03086
3.990	.046	.90027	.22129	.19626	-.14997	-.13765	.07336	.02284	-.07892	.05288	-.02942
4.003	4.013	.90001	.36690	.34276	-.25238	-.24053	.06815	.01926	-.06922	.04643	-.02579
	GRADIENT	.00001	.03704	.03733	-.02614	-.02629	-.00137	-.00083	.00312	-.00200	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0098) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1629/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
-3.999	-8.087	.94925	-.08423	-.11462	.07905	.09407	.10415	.04301	.03423
-4.004	-4.093	.95026	.06462	.03596	-.02853	-.01446	.09789	.03988	.03395
-3.994	.077	.95041	.22951	.20207	-.14788	-.13451	.09093	.03504	.03436
-4.005	4.018	.94934	.39539	.36862	-.26816	-.25507	.08451	.03013	.03374
	GRADIENT	-.00011	.04077	.04100	-.02953	-.02966	-.00165	-.00120	-.00002
RUN NO. 1630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
-.003	-8.013	.94981	-.12878	-.15762	.11348	.12768	.10070	.04248	.00188
.000	-4.028	.94996	.01967	-.00686	.00560	.01867	.09423	.04074	.00240
-.001	-.013	.94983	.17514	.14956	-.10654	-.09400	.08868	.03684	.00302
.002	3.999	.94946	.34355	.31891	-.22817	-.21608	.08120	.03130	.00360
	GRADIENT	-.00006	.04035	.04058	-.02912	-.02924	-.00162	-.00118	.00015
RUN NO. 1631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CBL
4.000	-8.083	.94931	-.10115	-.13270	.08730	.10271	.10363	.03951	.03162
4.001	-4.090	.95026	.04645	.01649	-.01847	-.00382	.09339	.03854	-.03002
3.989	.089	.95048	.21224	.18404	-.13828	-.12451	.09346	.03613	-.02837
4.004	4.001	.94938	.36158	.33491	-.24568	-.23264	.08399	.02982	-.02429
	GRADIENT	-.00011	.03896	.03936	-.02809	-.02829	-.00190	-.00107	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.062	1.04814	-.11456	-.14929	.11401	.13115	.12663	.05670	.09792	-.06278	.03710
-4.003	-4.097	1.05165	.05008	.01658	-.00578	.01043	.12143	.05275	.09019	-.05714	.03742
-4.000	.009	1.05027	.21760	.18529	-.12674	-.11123	.11630	.04956	.08385	-.05267	.03880
-4.003	4.030	1.04921	.38238	.35117	-.24679	-.23186	.11050	.04585	.07434	-.04635	.03603
	GRADIENT	-.00030	.04089	.04117	-.02966	-.02981	-.00134	-.00085	-.00195	.00133	-.00017

RUN NO. 1633/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-7.991	1.04947	-.14229	-.17532	.13430	.15042	.12390	.05671	-.00201	.00076	.00207
.000	-4.045	1.05087	.01316	-.01820	.02213	.03733	.11838	.05423	.00116	-.00167	.00242
-.001	-.028	1.05029	.18386	.15376	-.10086	-.08630	.11391	.05219	.00433	-.00387	.00311
-.002	3.961	1.04972	.34141	.31134	-.21416	-.19966	.11026	.04840	.00696	-.00582	.00411
	GRADIENT	-.00014	.04100	.04116	-.02952	-.02960	-.00102	-.00073	.00072	-.00052	.00021

RUN NO. 1634/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.001	-8.052	1.04809	-.13395	-.17032	.12483	.14233	.12903	.05412	-.11301	.07340	-.03706
4.002	-4.012	1.05146	.04774	.01329	-.00480	.01182	.14105	.07023	-.11146	.07372	-.03908
3.999	.025	1.05024	.21964	.18665	-.12791	-.11202	.14501	.07713	-.10250	.06855	-.03795
4.008	4.068	1.04984	.36790	.33756	-.23604	-.22134	.12779	.06567	-.07591	.04857	-.02986
	GRADIENT	-.00020	.03962	.04013	-.02862	-.02886	-.00164	-.00056	.00440	-.00311	.00114

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RCOOAO) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1636/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.054	1.09853	-.13392	-.17447	.13757	.15728	.14686	.06407	.09798	-.06328	.03798
-4.003	-4.092	1.10075	.02676	-.01177	.02032	.03900	.14131	.06246	.09060	-.05803	.03834
-4.002	.012	1.10042	.19676	.15983	-.10388	-.08606	.13576	.05989	.08472	-.05449	.03987
-4.004	4.051	1.09958	.35772	.32283	-.22275	-.20605	.12812	.05590	.07653	-.04970	.03751
	GRADIENT	-.00014	.04065	.04109	-.02985	-.03009	-.00162	-.00081	-.00173	.00102	-.00010

RUN NO. 1637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.991	1.09919	-.16470	-.20313	.16025	.17891	.14370	.06511	-.00368	.00197	.00133
.001	-4.062	1.10065	-.00916	-.04532	.04677	.06424	.13677	.06255	-.00089	-.00017	.00158
-.001	-.005	1.10009	.16282	.12763	-.07810	-.06120	.13305	.06043	.00205	-.00209	.00209
-.001	3.990	1.09943	.32156	.28663	-.19396	-.17726	.12942	.05705	.00448	-.00391	.00317
	GRADIENT	-.00015	.04108	.04123	-.02990	-.03000	-.00091	-.00068	.00067	-.00047	.00020

RUN NO. 1638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.046	1.09876	-.15018	-.19229	.14700	.16735	.15497	.06858	-.11835	.07904	-.03831
3.998	-4.014	1.10035	.02327	-.01544	.02145	.04026	.16144	.08242	-.11706	.07944	-.04065
4.001	.025	1.09997	.19806	.16127	-.10557	-.08766	.16513	.09016	-.11182	.07740	-.04085
4.004	4.033	1.09941	.34508	.31076	-.21348	-.19673	.15147	.08161	-.09146	.06270	-.03495
	GRADIENT	-.00012	.04000	.04055	-.02920	-.02946	-.00124	-.00010	.00318	-.00208	.00071

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC00A1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.038	1.14882	-.11937	-.15363	.12426	.14097	.13955	.06984	.09682	-.06272	.03761
-4.005	-4.092	1.15054	.05214	.01936	-.00295	.01294	.13590	.06885	.08996	-.05828	.03938
-4.007	.019	1.15067	.22136	.18938	-.12715	-.11170	.13363	.06798	.08511	-.05503	.03926
-4.004	4.049	1.14944	.37280	.34161	-.23719	-.22222	.12809	.06370	.07658	-.04928	.03784
	GRADIENT	-.00013	.03940	.03959	-.02878	-.02889	-.00096	-.00063	-.00164	.00111	-.00019

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.098	1.14955	-.15423	-.18651	.15012	.16585	.13689	.07116	-.00388	.00241	.00116
.000	-4.066	1.15026	.01707	-.01370	.02354	.03842	.13196	.06887	-.00161	.00094	.00169
-.001	-.029	1.14989	.18952	.15919	-.10299	-.08839	.13097	.06847	.00254	-.00217	.00282
.001	3.959	1.14986	.33958	.30868	-.21133	-.19656	.12888	.06485	.00485	-.00380	.00335
	GRADIENT	-.00005	.04019	.04018	-.02927	-.02928	-.00038	-.00050	.00081	-.00059	.00021

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.029	1.14818	-.13729	-.17337	.13601	.15346	.15053	.07654	-.11874	.07920	-.03880
4.001	-4.016	1.15022	.04530	.01175	.00223	.01854	.16032	.09182	-.12171	.08352	-.04263
4.006	.024	1.15036	.21049	.17835	-.11825	-.10261	.16192	.09637	-.10924	.07533	-.03971
4.008	4.084	1.14999	.35845	.32796	-.22584	-.21096	.15229	.09024	-.09243	.06358	-.03546
	GRADIENT	-.00003	.03866	.03904	-.02815	-.02833	-.00099	-.00020	.00362	-.00246	.00089

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.914	1.24880	-.10022	-.13074	.10924	.12418	.14128	.07935	.09634	-.06254	.03826
-4.005	-4.087	1.25007	.06084	.03118	-.01195	.00247	.13838	.07782	.08949	-.05758	.03813
-4.002	.015	1.25015	.22478	.19584	-.13303	-.11900	.13654	.07727	.08373	-.05351	.03811
-4.001	3.996	1.24930	.37043	.34202	-.23921	-.22546	.13376	.07551	.07887	-.05152	.03742
	GRADIENT	-.00009	.03831	.03847	-.02812	-.02821	-.00057	-.00028	-.00131	.00075	-.00009

RUN NO. 1643/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.987	1.24950	-.12836	-.15722	.12996	.14406	.13726	.07859	-.00205	.00093	.00141
-4.001	-4.065	1.25030	.03507	.00758	.00688	.02024	.13464	.07845	.00104	-.00151	.00262
-4.001	-.034	1.24980	.20348	.17615	-.11708	-.10388	.13386	.07771	.00401	-.00388	.00352
-4.002	3.954	1.24977	.34728	.31936	-.22054	-.20718	.13359	.07584	.00632	-.00537	.00406
	GRADIENT	-.00007	.03894	.03889	-.02836	-.02836	-.00013	-.00033	.00066	-.00048	.00018

RUN NO. 1644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.035	1.24909	-.12193	-.15478	.12352	.13951	.15313	.08613	-.12111	.08140	-.04001
4.003	-4.020	1.25031	.04931	.01843	-.00465	.01042	.15498	.09215	-.11158	.07479	-.03858
4.000	.020	1.24971	.21554	.18676	-.12726	-.11322	.15698	.09843	-.10098	.06781	-.03668
3.999	3.988	1.24985	.35478	.32641	-.22787	-.21407	.15077	.09288	-.08843	.06034	-.03380
	GRADIENT	-.00006	.03816	.03847	-.02788	-.02804	-.00052	.00010	.00289	-.00180	.00060

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC00A3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1674/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.026	1.24947	-1.1344	-1.14333	.12034	.13496	.13969	.07906	.09617	-.06237	.03844
-4.003	-4.094	1.25002	.04994	.02091	-.00253	.01158	.13702	.07773	.08897	-.05714	.03833
-3.996	.014	1.25019	.21447	.18621	-.12433	-.11063	.13455	.07671	.08351	-.05334	.03840
-4.000	4.037	1.24959	.36118	.33349	-.23128	-.21786	.13152	.07480	.07873	-.05137	.03722
	GRADIENT	-.00005	.03828	.03845	-.02814	-.02822	-.00068	-.00036	-.00126	.00071	-.00014

RUN NO. 1675/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.087	1.24950	-.14212	-.17036	.14165	.15547	.13620	.07890	-.00223	.00117	.00152
.000	-4.061	1.25027	.02772	.00083	.01398	.02707	.13322	.07835	.00072	-.00115	.00259
-.001	.005	1.25013	.19475	.16825	-.10953	-.09674	.13180	.07735	.00382	-.00369	.00352
-.002	3.958	1.24957	.33804	.31078	-.21268	-.19960	.13117	.07487	.00630	-.00535	.00417
	GRADIENT	-.00009	.03871	.03866	-.02828	-.02828	-.00026	-.00043	.00070	-.00052	.00020

RUN NO. 1676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.021	1.24901	-.13052	-.16272	.13122	.14691	.15233	.08675	-.12032	.08076	-.03974
3.999	-4.012	1.25004	.03951	.00948	.00386	.01853	.15348	.09246	-.11183	.07504	-.03884
4.000	.017	1.24996	.20418	.17607	-.11763	-.10392	.15462	.09739	-.10020	.06720	-.03653
4.002	4.033	1.24981	.34482	.31726	-.21926	-.20582	.14819	.09204	-.08666	.05888	-.03329
	GRADIENT	-.00003	.03795	.03826	-.02773	-.02789	-.00066	-.00005	.00313	-.00201	.00069

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(RC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.928	1.29977	-.10318	-.13219	.11154	.12576	.14081	.08201	.10097	-.06711	.03906
-4.001	-4.080	1.30050	.05292	.02499	-.00729	.00635	.13663	.07985	.09108	-.05912	.03825
-3.997	.011	1.30030	.21921	.19140	-.13096	-.11744	.13532	.07855	.08529	-.05493	.03814
-3.999	4.044	1.29922	.36069	.33347	-.23338	-.22021	.13233	.07652	.07850	-.05134	.03705
	GRADIENT	-.00016	.03789	.03798	-.02784	-.02789	-.00053	-.00041	-.00155	.00096	-.00015

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.090	1.29981	-.13227	-.15992	.13270	.14622	.13797	.08179	-.00327	.00224	.00134
.000	-4.022	1.29996	.03387	.00747	.00668	.01951	.13409	.08019	-.00127	.00065	.00252
-.001	-.041	1.29959	.19703	.17092	-.11416	-.10151	.13329	.07983	.00198	-.00202	.00318
-.002	4.002	1.29989	.34057	.31394	-.21766	-.20486	.13244	.07754	.00462	-.00392	.00374
	GRADIENT	-.00001	.03822	.03819	-.02795	-.02796	-.00021	-.00033	.00073	-.00057	.00015

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.041	1.29940	-.12866	-.16026	.12819	.14360	.14863	.08429	-.11858	.08036	-.03887
3.999	-4.022	1.30011	.03565	.00575	.00395	.01851	.14766	.08670	-.10780	.07226	-.03698
4.002	.024	1.29991	.20405	.17671	-.12153	-.10819	.14856	.09295	-.09696	.06508	-.03512
4.002	4.035	1.29990	.34233	.31538	-.22041	-.20728	.14448	.08957	-.08376	.05653	-.03231
	GRADIENT	-.00003	.03807	.03843	-.02785	-.02802	-.00039	.00036	.00298	-.00195	.00058

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1682/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.940	1.35047	-.10144	-.13019	.11013	.12425	.14346	.08529	.09968	-.06641	.03782
-4.001	-4.074	1.34995	.04589	.01821	-.00330	.01026	.13826	.08216	.09039	-.05888	.03669
-3.994	.014	1.34967	.21106	.18398	-.12708	-.11389	.13615	.08093	.08346	-.05343	.03693
-4.003	4.056	1.35013	.35783	.33132	-.23349	-.22064	.13372	.07948	.07819	-.05110	.03658
	GRADIENT	.00002	.03837	.03852	-.02832	-.02841	-.00056	-.00033	-.00150	.00096	-.00001

RUN NO. 1683/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.34989	-.12944	-.15639	.12973	.14289	.13981	.08501	-.00233	.00164	.00151
.000	-4.052	1.34982	.03371	.00787	.00513	.01767	.13487	.08207	.00041	-.00072	.00278
-.001	-.055	1.34984	.19405	.16873	-.11436	-.10210	.13335	.08145	.00282	-.00273	.00335
-.002	3.963	1.34971	.33812	.31169	-.21768	-.20494	.13445	.08006	.00525	-.00454	.00403
	GRADIENT	-.00001	.03798	.03790	-.02780	-.02777	-.00005	-.00025	.00060	-.00048	.00016

RUN NO. 1684/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-7.923	1.34914	-.12333	-.15428	.12355	.13865	.14821	.08522	-.11565	.07821	-.03790
4.000	-4.030	1.34986	.03299	.00357	.00439	.01867	.14704	.08691	-.10495	.07018	-.03599
3.999	.018	1.35001	.19388	.16582	-.11543	-.10180	.14729	.08996	-.09196	.06133	-.03329
3.998	4.044	1.35024	.33554	.30875	-.21755	-.20450	.14265	.08803	-.07999	.05375	-.03091
	GRADIENT	.00005	.03748	.03780	-.02749	-.02764	-.00054	.00014	.00309	-.00204	.00063

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1685/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.947	1.39901	-.09987	-.12830	.10916	.12315	.14554	.08814	.10060	-.06747	.03760
-4.002	-4.003	1.40015	.04414	.01717	-.00258	.01065	.13940	.08477	.09294	-.06139	.03634
-3.998	.013	1.39932	.20629	.17959	-.12533	-.11236	.13633	.08183	.08663	-.05650	.03679
-4.000	4.045	1.40034	.35336	.32700	-.23181	-.21902	.13433	.08040	.07828	-.05112	.03645
	GRADIENT	.00002	.03842	.03849	-.02848	-.02854	-.00063	-.00054	-.00182	.00128	.00001

RUN NO. 1686/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.072	1.39962	-.12524	-.15197	.12627	.13932	.14200	.08764	-.00098	.00018	.00212
.000	-4.061	.02998	.02998	.00438	.00616	.01860	.13622	.08392	.00175	-.00211	.00328
-.001	-.047	1.39994	.19240	.16686	-.11564	-.10327	.13512	.08279	.00341	-.00329	.00373
-.002	3.945	1.39963	.33535	.30921	-.21836	-.20575	.13475	.08103	.00527	-.00470	.00419
	GRADIENT	-.00005	.03814	.03808	-.02805	-.02802	-.00018	-.00036	.00044	-.00032	.00011

RUN NO. 1687/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-7.921	1.39943	-.12152	-.15228	.12161	.13661	.14821	.08558	-.11294	.07641	-.03692
4.001	-4.020	1.40011	.02797	-.00070	.00561	.01954	.14208	.08352	-.09889	.06547	-.03344
3.998	.018	1.40033	.19102	.16357	-.11611	-.10276	.14375	.08774	-.08774	.05782	-.03169
4.001	4.045	1.39965	.32975	.30248	-.21537	-.20213	.14154	.08583	-.07494	.04942	-.02929
	GRADIENT	-.00006	.03742	.03759	-.02740	-.02749	-.00007	.00029	.00297	-.00199	.00051

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.049	-8.011	1.54818	-.09092	-.11808	.10110	.11442	.14902	.09399	.09946	-.06744	.03640
-4.075	-4.167	1.55002	.02527	-.00131	.00977	.02276	.14102	.08700	.09395	-.06304	.03392
-4.097	.021	1.54956	.18652	.16147	-.11490	-.10265	.13392	.08302	.08696	-.05784	.03435
-4.066	4.094	1.54924	.33089	.30662	-.22151	-.20966	.12908	.07969	.07717	-.05106	.03482
	GRADIENT	-.00010	.03701	.03729	-.02801	-.02815	-.00145	-.00089	-.00203	.00145	.00011

RUN NO. 1690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.996	1.54918	-.11713	-.14207	.11917	.13141	.14542	.09494	-.00220	.00142	.00112
.000	-3.958	1.54903	.01370	-.01067	.01618	.02803	.13726	.08751	.00018	-.00076	.00209
-.000	.061	1.54879	.17037	.14597	-.10416	-.09234	.13289	.08296	.00239	-.00258	.00283
-.001	4.047	1.54894	.31486	.29066	-.20938	-.19762	.13023	.08080	.00327	-.00309	.00335
	GRADIENT	-.00001	.03762	.03764	-.02818	-.02819	-.00088	-.00084	.00039	-.00029	.00016

RUN NO. 1691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.051	-8.002	1.54857	-.11435	-.14116	.11534	.12845	.14871	.09425	-.10946	.07453	-.03602
4.076	-4.161	1.54993	.00432	-.02197	.02172	.03456	.13868	.08522	-.09419	.06272	-.03117
4.098	.019	1.55010	.16502	.13746	-.10098	-.08759	.13746	.08115	-.08129	.05386	-.02858
4.067	4.142	1.54941	.30793	.28172	-.20493	-.19222	.13515	.08154	-.07240	.04814	-.02802
	GRADIENT	-.00006	.03657	.03658	-.02730	-.02732	-.00042	-.00044	.00263	-.00176	.00038

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00A8) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
-4.000	-8.073	.59896	-.00591	-.02455	.00280
-3.996	-3.989	.60022	.11579	.10005	-.08190
-3.999	-.002	.60082	.23700	.22380	-.16632
-3.997	3.972	.59971	.36346	.35281	-.25396
	GRADIENT		.03111	.03175	-.02161
					-.02192

CY
 CAF | CA | CLMF | CY | CYN | CBL || .09578 | .01213 | .05346 | .01099 | .09578 | -.06375 | .03022 |
.09051	.01539	.05082	-.07513	.09051	-.06048	.03069
.08517	.01101	.04134	-.16080	.08517	-.05703	.03139
.07439	.00425	.02923	-.24965	.07439	-.04968	.03031
-.00203	-.00140	-.00271	-.02192	-.00203	-.00136	-.00005

RUN NO. 1587/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
.002	-7.900	.59985	-.03206	-.04628	.02224
.001	-3.943	.60013	.08017	.06839	-.05564
.000	-.017	.60093	.20398	.19410	-.14077
.003	4.067	.59978	.33620	.32775	-.23248
	GRADIENT		.03197	.03238	-.02208
					-.02228

CY
 CAF | CA | CLMF | CY | CYN | CBL || .00523 | .01570 | .04824 | .02822 | .00523 | .00373 | .00026 |
-.00297	.01845	.04576	-.05078	-.00297	.00217	.00078
-.00147	.01723	.03997	-.13665	-.00147	.00118	.00139
.00061	.00779	.02813	-.22920	.00061	-.00000	.00212
.00045	-.00134	-.00220	-.02228	.00045	-.00027	.00017

RUN NO. 1588/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	CN	CNF	CLM
3.997	-8.092	.59958	-.01567	-.03254	.00574
3.997	-3.992	.60120	.11037	.09597	-.08146
3.999	-.009	.60030	.22934	.21711	-.16343
4.000	3.965	.60006	.34813	.33857	-.24546
	GRADIENT		.02988	.03049	-.02061
					-.02088

CY
 CAF | CA | CLMF | CY | CYN | CBL || .10314 | .01231 | .04987 | .01311 | .10314 | .06881 | -.02919 |
-.09118	.01571	.04832	-.07532	-.09118	.06169	-.02819
-.07821	.01369	.04147	-.15823	-.07821	.05350	-.02626
-.06418	.00655	.02845	-.24145	-.06418	.04393	-.02317
.00339	-.00115	-.00250	-.02088	.00339	-.00223	.00063

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RC00A9) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.095	.79892	.00166	-.01669	-.00427	.00395	.05691	.01683	.09657	-.06397	.03125
-3.998	-4.042	.80070	.13024	.11574	-.09458	-.08826	.05082	.01847	.09008	-.05970	.03154
-3.985	-.055	.79994	.25992	.24778	-.18478	-.17959	.04284	.01535	.08427	-.05612	.03233
-4.006	3.936	.80011	.39996	.38996	-.28263	-.27848	.03114	.00803	.07458	-.04959	.03193
	GRADIENT	-.00007	.03381	.03437	-.02357	-.02384	-.00247	-.00131	-.00194	.00127	.00005

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.054	.79972	-.04376	-.05823	.02943	.03563	.05108	.01843	-.00561	.00399	.00068
.001	-3.912	.80003	.08901	.07755	-.06348	-.05856	.04683	.02098	-.00315	.00235	.00107
-.000	-.005	.79989	.21943	.20973	-.15372	-.14960	.04114	.01912	-.00163	.00124	.00175
-.001	4.088	.79951	.36425	.35666	-.25470	-.25159	.02958	.01189	.00046	-.00001	.00271
	GRADIENT	-.00006	.03441	.03490	-.02391	-.02414	-.00216	-.00114	.00045	-.00030	.00020

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.090	.79905	-.00992	-.02719	-.00005	.00745	.05334	.01471	-.10541	.07014	-.02966
3.995	-4.045	.80047	.12059	.10631	-.09125	-.08519	.04888	.01645	-.09311	.06267	-.02898
3.985	-.051	.80024	.24602	.23412	-.17772	-.17265	.04209	.01511	-.07879	.05353	-.02698
4.008	3.923	.80004	.37962	.37006	-.27039	-.26633	.03135	.00962	-.06537	.04416	-.02426
	GRADIENT	-.00005	.03251	.03310	-.02248	-.02273	-.00220	-.00086	.00348	-.00232	.00059

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0BO) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1593/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.097	.89967	-.01529	-.03291	.00925	.01712	.06494	.02634	.09479	-.06111	.03055
-4.000	-4.074	.90041	.12062	.10700	-.08677	-.08085	.05634	.02593	.08955	-.05847	.03127
-3.985	.017	.90007	.26703	.25582	-.18970	-.18483	.04838	.02333	.08320	-.05472	.03266
-4.001	3.998	.89982	.41460	.40538	-.29381	-.28992	.04012	.01911	.07754	-.05101	.03055
	GRADIENT	-.00007	.03642	.03696	-.02565	-.02590	-.00201	-.00084	-.00149	.00092	-.00009

RUN NO. 1594/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.022	.89965	-.06398	-.07808	.04574	.05195	.05927	.02809	-.00475	.00286	.00101
-.001	-4.048	.90019	.06609	.05497	-.04580	-.04094	.05246	.02766	-.00182	.00086	.00120
-.000	.004	.90022	.21274	.20341	-.14870	-.14454	.04585	.02539	-.00039	.00008	.00184
-.001	4.093	.89953	.36497	.35792	-.25521	-.25208	.03804	.02257	-.00019	.00061	.00292
	GRADIENT	-.00008	.03671	.03721	-.02572	-.02594	-.00177	-.00062	.00020	-.00003	.00021

RUN NO. 1595/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.093	.89975	-.02928	-.04663	.01422	.02192	.06196	.02376	-.10504	.06800	-.02910
3.999	-4.075	.90015	.10748	.09376	-.08121	-.07528	.05492	.02410	-.09115	.05968	-.02872
3.990	.028	.90028	.25018	.23899	-.18064	-.17582	.04746	.02227	-.07504	.04952	-.02726
3.997	3.991	.89975	.38622	.37676	-.27546	-.27139	.04066	.01938	-.06676	.04435	-.02390
	GRADIENT	-.00005	.03456	.03509	-.02408	-.02431	-.00177	-.00059	.00303	-.00190	.00072

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0B1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.987	.94889	-.03046	-.04690	.02362	.03103	.07162	.03587	.09583	-.06137	.03073
-3.999	-4.075	.95054	.10579	.09308	-.07353	-.06785	.06294	.03512	.08796	-.05624	.03098
-3.989	.053	.95202	.25826	.24796	-.18215	-.17748	.05469	.03242	.08067	-.05183	.03204
-3.996	3.979	.94797	.40633	.39799	-.28669	-.28287	.04689	.02897	.07423	-.04762	.03152
	GRADIENT	-.00031	.03732	.03786	-.02647	-.02670	-.00199	-.00076	-.00171	.00107	.00007

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.063	.94951	-.08429	-.09875	.06428	.07083	.06844	.03711	-.00514	.00352	.00061
.001	-4.044	.95092	.05206	.04180	-.03294	-.02840	.05893	.03632	-.00211	.00116	.00105
-.000	-.033	.95100	.20200	.19382	-.13973	-.13594	.05190	.03452	-.00084	.00047	.00173
.002	3.973	.94905	.35775	.35180	-.24937	-.24656	.04292	.03048	-.00018	.00054	.00243
	GRADIENT	-.00023	.03813	.03867	-.02700	-.02721	-.00200	-.00073	.00024	-.00008	.00017

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.098	.94905	-.04991	-.06676	.03261	.04016	.06938	.03255	-.10508	.06711	-.02926
3.998	-4.090	.94995	.08905	.07539	-.06523	-.05921	.06232	.03211	-.08951	.05709	-.02902
3.989	.075	.95231	.24152	.23042	-.17296	-.16804	.05577	.03133	-.07293	.04672	-.02705
4.002	3.987	.94778	.37536	.36712	-.26651	-.26268	.04576	.02830	-.06308	.04006	-.02332
	GRADIENT	-.00026	.03546	.03613	-.02493	-.02520	-.00204	-.00047	.00328	-.00211	.00070

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00B2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1599/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.068	1.04861	-.06254	-.08237	.05920	.06842	.09568	.05358	.09260	-.05764	.03336
-4.001	-4.084	1.05145	.09505	.07799	-.05433	-.04650	.08885	.05231	.08395	-.05112	.03357
-3.999	.010	1.05076	.25897	.24392	-.17265	-.16570	.08272	.05060	.07722	-.04644	.03443
-3.997	4.021	1.04968	.42222	.40935	-.29181	-.28583	.07556	.04824	.06865	-.04116	.03257
	GRADIENT	-.00022	.04037	.04088	-.02930	-.02953	-.00164	-.00050	-.00189	.00123	-.00012

RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.003	-7.989	1.04976	-.10268	-.11940	.09015	.09804	.09217	.05715	-.00296	.00127	.00196
-0.000	-4.068	1.05068	.04417	.02858	-.01515	-.00771	.08719	.05480	.00204	-.00252	.00272
-0.001	-.028	1.05043	.21620	.20172	-.13819	-.13132	.08279	.05256	.00400	-.00360	.00308
-0.002	3.956	1.04928	.37796	.36685	-.25724	-.25191	.07317	.05022	.00598	-.00522	.00474
	GRADIENT	-.00017	.04160	.04216	-.03017	-.03043	-.00175	-.00057	.00049	-.00034	.00025

RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.068	1.04843	-.08293	-.10220	.06940	.07848	.09249	.05205	-.10123	.06198	-.03125
4.002	-3.997	1.05037	.08607	.06900	-.05173	-.04364	.09127	.05565	-.08841	.05365	-.03179
4.004	.016	1.05178	.25128	.23521	-.16892	-.16131	.09538	.06179	-.08081	.04974	-.03085
4.009	4.050	1.04917	.39521	.38252	-.27417	-.26823	.07520	.04841	-.05533	.03128	-.02288
	GRADIENT	-.00015	.03842	.03896	-.02764	-.02791	-.00200	-.00090	.00411	-.00278	.00111

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0B3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.056	1.09785	-.09001	-.11456	.08997	-.10155	.11740	.06590	.09515	-.06074	.03562
-4.001	-4.066	1.10133	.07017	.04978	-.02735	-.01778	.10784	.06495	.08653	-.05417	.03558
-3.996	.014	1.10047	.23236	.21380	-.14493	-.13621	.10210	.06305	.07920	-.04909	.03624
-4.003	4.049	1.09999	.38929	.37220	-.26006	-.25189	.09609	.06066	.07059	-.04390	.03354
	GRADIENT	-.00017	.03933	.03973	-.02868	-.02885	-.00145	-.00053	-.00196	.00127	-.00025

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.082	1.09873	-.13084	-.15131	.12022	.12998	.11169	.06917	-.00391	.00182	.00129
-.001	-3.997	1.10181	.02586	.00792	.00652	.01516	.10460	.06769	.00036	-.00146	.00204
-.001	-.045	1.10091	.19093	.17335	-.11227	-.10376	.10153	.06549	.00304	-.00318	.00240
-.002	3.955	1.09950	.34880	.33232	-.22809	-.22003	.09622	.06274	.00539	-.00489	.00350
	GRADIENT	-.00029	.04061	.04079	-.02950	-.02958	-.00105	-.00062	.00063	-.00043	.00018

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.060	1.09631	-.11261	-.13847	.10254	.11504	.11778	.06469	-.10154	.06450	-.03357
4.000	-3.990	1.10231	.06147	.04032	-.02309	-.01285	.12159	.07828	-.09902	.06375	-.03519
4.000	.024	1.10085	.22510	.20564	-.14063	-.13117	.12428	.08458	-.09222	.06005	-.03455
3.999	4.019	1.09981	.36937	.35204	-.24734	-.23897	.10629	.07069	-.06839	.04266	-.02723
	GRADIENT	-.00031	.03845	.03892	-.02800	-.02824	-.00191	-.00095	.00382	-.00263	.00099

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(RCDOB4) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1606/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.048	1.15214	-.07374	-.09188	.07551	.08397	.11071	.07232	.09356	-.05997	.03511
-4.000	-4.079	1.15155	.09642	.08083	-.05092	-.04366	.10449	.07147	.08613	-.05473	.03668
-4.001	.018	1.15074	.25630	.24220	-.16747	-.16086	.10046	.07076	.07974	-.04986	.03572
-4.003	4.038	1.14992	.40133	.38863	-.27219	-.26620	.09445	.06779	.07075	-.04356	.03346
	GRADIENT	-.00020	.03757	.03792	-.02726	-.02742	-.00124	-.00045	-.00189	.00138	-.00040

RUN NO. 1607/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.102	1.14908	-.11747	-.13276	.10882	.11607	.10743	.07556	-.00448	.00268	.00092
-.001	-4.085	1.15101	.04753	.03403	-.01313	-.00665	.10134	.07347	.00023	-.00084	.00222
-.001	-.038	1.15085	.21712	.20417	-.13663	-.13034	.09988	.07342	.00320	-.00305	.00300
-.002	3.990	1.14989	.36485	.35294	-.24355	-.23774	.09415	.06995	.00583	-.00495	.00391
	GRADIENT	-.00014	.03930	.03950	-.02854	-.02862	-.00089	-.00044	.00069	-.00051	.00021

RUN NO. 1608/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.046	1.14840	-.09551	-.11438	.08780	.09688	.11156	.07271	-.10135	.06416	-.03381
3.997	-4.067	1.15055	.08331	.06697	-.04255	-.03465	.12109	.08758	-.10314	.06741	-.03704
4.000	.018	1.15058	.24253	.22749	-.15753	-.15022	.12157	.09085	-.09000	.05842	-.03368
4.008	4.068	1.15025	.38132	.36826	-.25809	-.25179	.10743	.08060	-.06907	.04320	-.02763
	GRADIENT	-.00004	.03664	.03704	-.02650	-.02669	-.00168	-.00086	.00419	-.00297	.00116

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0B5) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1609/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.030	1.24963	-.07023	-.08748	.07522	.08325	.11839	.08183	.09436	-.06090	.03633
-4.000	-4.081	1.25012	.09619	.08096	-.05047	-.04333	.11312	.08104	.08682	-.05521	.03608
-4.001	.017	1.24986	.25307	.23920	-.16584	-.15928	.10988	.08090	.07977	-.04998	.03581
-4.002	4.063	1.24980	.39423	.38190	-.26833	-.26240	.10513	.07970	.07459	-.04768	.03508
	GRADIENT	-.00004	.03660	.03696	-.02675	-.02690	-.00098	-.00016	-.00150	.00093	-.00012

RUN NO. 1610/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.102	1.24917	-.10731	-.12164	.10326	.11007	.11259	.08272	-.00256	.00118	.00106
-.001	-4.077	1.25054	.06036	.04711	-.02295	-.01658	.11017	.08285	.00084	-.00151	.00248
-.001	.024	1.25039	.22820	.21537	-.14604	-.13978	.10897	.08288	.00401	-.00409	.00341
.001	3.962	1.24951	.36598	.35382	-.24507	-.23912	.10561	.08095	.00625	-.00555	.00387
	GRADIENT	-.00013	.03804	.03817	-.02765	-.02770	-.00056	-.00023	.00067	-.00050	.00017

RUN NO. 1611/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.025	1.24927	-.08829	-.10657	.08450	.09323	.12037	.08248	-.10985	.07177	-.03668
3.998	-4.094	1.25036	.07760	.06123	-.03913	-.03126	.12327	.08951	-.09972	.06456	-.03507
4.000	.024	1.25010	.23974	.22504	-.15741	-.15027	.12558	.09556	-.08805	.05666	-.03270
4.006	4.076	1.24986	.37544	.36251	-.25474	-.24841	.11820	.09197	-.07545	.04906	-.02984
	GRADIENT	-.00006	.03646	.03688	-.02640	-.02659	-.00062	.00030	.00297	-.00190	.00064

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO0B6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.024	1.24929	-.05527	-.06232	.05778	.06093	.09940	.08397	.09309	-.05936	.03519
-4.002	-4.095	1.25022	.10721	.10142	-.06460	-.06185	.09484	.08280	.08498	-.05312	.03500
-3.995	.013	1.24988	.26109	.25626	-.17747	-.17492	.09195	.08285	.07736	-.04733	.03436
-3.997	4.054	1.24978	.39959	.39568	-.27720	-.27506	.08778	.08064	.07190	-.04463	.03327
	GRADIENT	-.00005	.03589	.03611	-.02609	-.02617	-.00087	-.00026	-.00161	.00104	-.00021

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.000	1.24962	-.09008	-.09567	.08443	.08710	.09627	.08471	-.00155	.00049	.00163
.001	-4.073	1.24990	.06715	.06197	-.03323	-.03059	.09388	.08378	.00145	-.00193	.00274
-.000	-.034	1.25020	.23218	.22769	-.15432	-.15197	.09200	.08344	.00452	-.00439	.00359
-.002	3.945	1.24961	.36953	.36604	-.25281	-.25095	.08794	.08146	.00702	-.00613	.00450
	GRADIENT	-.00004	.03772	.03793	-.02739	-.02749	-.00074	-.00029	.00069	-.00052	.00022

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.034	1.24907	-.07353	-.08105	.06588	.06947	.09853	.08292	-.10130	.06454	-.03393
4.000	-4.008	1.25008	.09178	.08686	-.05710	-.05480	.09830	.08794	-.09277	.05860	-.03291
3.994	.016	1.25008	.24602	.24146	-.16901	-.16675	.10031	.09115	-.07912	.04909	-.02977
4.007	4.082	1.25002	.37841	.37414	-.26314	-.26102	.09274	.08419	-.06619	.04123	-.02649
	GRADIENT	-.00001	.03543	.03551	-.02547	-.02549	-.00069	-.00047	.00329	-.00215	.00079

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO0B7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.024	1.29910	-.05442	-.06240	.05778	.06141	.10403	.08679	.09838	-.06458	.03614
-4.000	-4.082	1.30014	.10496	.09837	-.06377	-.06066	.09842	.08463	.08718	-.05545	.03531
-3.996	.017	1.29971	.26220	.25665	-.17989	-.17699	.09590	.08533	.07980	-.04979	.03468
-3.999	4.030	1.29963	.39321	.38857	-.27351	-.27102	.09222	.08362	.07248	-.04531	.03313
	GRADIENT	-.00006	.03554	.03578	-.02586	-.02594	-.00076	-.00012	-.00181	.00125	-.00027

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.993	1.30009	-.08469	-.09075	.08022	.08315	.10082	.08836	-.00325	.00209	.00120
.001	-4.064	1.30005	.07154	.06562	-.03736	-.03437	.09801	.08638	-.00012	-.00046	.00273
-.001	-.062	1.29957	.22928	.22393	-.15402	-.15122	.09666	.08646	.00273	-.00279	.00329
-.002	3.945	1.29941	.36541	.36128	-.25131	-.24913	.09265	.08488	.00519	-.00457	.00383
	GRADIENT	-.00008	.03670	.03692	-.02672	-.02682	-.00067	-.00019	.00066	-.00051	.00014

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.015	1.29915	-.07766	-.08575	.07013	.07400	.10200	.08524	-.10393	.06754	-.03445
4.000	-4.014	1.29987	.08517	.07858	-.05287	-.04964	.09917	.08582	-.09135	.05810	-.03197
3.995	.020	1.30017	.23931	.23421	-.16580	-.16328	.10032	.09008	-.07903	.04947	-.02937
3.997	4.027	1.30003	.36903	.36426	-.25688	-.25448	.09750	.08809	-.06586	.04077	-.02649
	GRADIENT	.00002	.03530	.03553	-.02537	-.02548	-.00021	.00028	.00317	-.00216	.00068

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00B8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1662/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.902	1.34927	-.05145	-.05946	.05614	.05981	.10753	.09034	.09774	-.06447	.03570
-4.000	-4.028	1.35009	.09669	.08998	-.05793	-.05467	.10188	.08818	.08683	-.05561	.03419
-3.999	.019	1.34962	.25075	.24508	-.17241	-.16943	.09915	.08841	.07924	-.04954	.03428
-4.000	4.043	1.34934	.38676	.38204	-.26969	-.26715	.09545	.08671	.07338	-.04639	.03361
	GRADIENT	-.00009	.03594	.03619	-.02624	-.02633	-.00080	-.00018	-.00167	.00114	-.00007

RUN NO. 1663/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.100	1.34967	-.09054	-.09653	.08528	.08820	.10463	.09244	-.00232	.00155	.00126
-.001	-4.008	1.35039	.07260	.06661	-.03887	-.03579	.10073	.08912	.00124	-.00145	.00295
-.001	-.008	1.34983	.22820	.22291	-.15402	-.15123	.09928	.08933	.00361	-.00348	.00344
-.002	3.947	1.34998	.36031	.35581	-.24825	-.24588	.09618	.08768	.00579	-.00513	.00411
	GRADIENT	-.00005	.03617	.03636	-.02633	-.02641	-.00057	-.00018	.00057	-.00046	.00015

RUN NO. 1664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.025	1.34947	-.08039	-.08866	.07304	.07705	.10536	.08842	-.10422	.06808	-.03412
3.999	-4.010	1.35031	.07877	.07211	-.04853	-.04524	.10061	.08718	-.08992	.05721	-.03134
3.998	.024	1.34994	.22889	.22318	-.15911	-.15624	.10021	.08889	-.07643	.04787	-.02826
3.997	4.030	1.35008	.35827	.35325	-.25013	-.24756	.09711	.08732	-.06533	.04090	-.02616
	GRADIENT	-.00003	.03476	.03497	-.02508	-.02517	-.00044	.00002	.00306	-.00203	.00065

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO089) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.908	1.39934	-.05454	-.06266	.05943	.06314	.11096	.09349	.09835	-.06535	.03560
-3.998	-4.082	1.40011	.08468	.07759	-.04856	-.04514	.10456	.09002	.08950	-.05828	.03392
-3.997	.020	1.39960	.24235	.23668	-.16744	-.16450	.10040	.08951	.08240	-.05264	.03434
-4.002	4.043	1.40015	.37889	.37366	-.26489	-.26212	.09790	.08806	.07371	-.04666	.03366
	GRADIENT	.00000	.03622	.03645	-.02663	-.02671	-.00082	-.00024	-.00194	.00143	-.00003

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.085	1.40019	-.09134	-.09767	.08631	.08939	.10797	.09501	-.00134	.00039	.00175
.000	-4.076	1.40009	.06225	.05575	-.03206	-.02876	.10379	.09110	.00225	-.00259	.00335
-.001	-.007	1.40035	.22162	.21583	-.15062	-.14760	.10171	.09067	.00386	-.00381	.00384
-.002	3.958	1.39982	.35543	.35029	-.24602	-.24334	.09892	.08909	.00525	-.00481	.00418
	GRADIENT	-.00003	.03651	.03667	-.02664	-.02672	-.00061	-.00025	.00037	-.00028	.00010

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.035	1.39995	-.08144	-.08958	.07404	.07793	.10751	.09064	-.10518	.06926	-.03375
3.997	-4.005	1.39998	.07097	.06404	-.04339	-.04000	.10190	.08783	-.08895	.05656	-.03001
3.996	.026	1.39995	.22290	.21719	-.15629	-.15346	.10021	.08879	-.07494	.04668	-.02769
4.000	4.038	1.40014	.35121	.34588	-.24642	-.24371	.09815	.08769	-.06327	.03918	-.02545
	GRADIENT	.00002	.03485	.03505	-.02525	-.02533	-.00047	-.00002	.00319	-.00216	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCOOCO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.051	-8.110	1.54951	-.05815	-.06475	.06219	.06523	.11516	.10099	.09762	-.06552	.03422
-4.075	-4.155	1.54895	.06220	.05513	-.03217	-.02868	.10787	.09363	.09185	-.06104	.03222
-4.096	.021	1.54913	.21452	.20909	-.14906	-.14623	.10079	.09041	.08357	-.05479	.03252
-4.069	4.094	1.54862	.35147	.34612	-.24832	-.24548	.09795	.08792	.07381	-.04780	.03287
	GRADIENT	-.00004	.03507	.03528	-.02621	-.02629	-.00121	-.00069	-.00219	-.00160	.00008

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.880	1.54922	-.08587	-.09259	.08288	.08614	.11517	.10144	-.00209	.00123	.00111
.001	-3.973	1.54934	.04057	.03412	-.01646	-.01316	.10776	.09521	.00046	-.00100	.00207
-.000	.057	1.54957	.19105	.18507	-.13115	-.12805	.10292	.09143	.00279	-.00294	.00293
-.001	4.055	1.54854	.33100	.32537	-.23245	-.22951	.09978	.08910	.00315	-.00306	.00334
	GRADIENT	-.00010	.03618	.03628	-.02691	-.02695	-.00099	-.00076	.00034	-.00026	.00016

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.048	-8.120	1.54847	-.08397	-.09119	.07788	.08133	.11319	.09824	-.10135	.06727	-.03314
4.072	-4.069	1.54899	.04484	.03834	-.02334	-.02019	.10454	.09120	-.09046	.05897	-.02918
4.096	.015	1.54953	.19319	.18766	-.13698	-.13428	.09939	.08817	-.07598	.04879	-.02637
4.069	4.101	1.54814	.32500	.31915	-.23085	-.22797	.09860	.08680	-.06471	.04132	-.02559
	GRADIENT	-.00010	.03429	.03437	-.02540	-.02543	-.00073	-.00054	.00315	-.00216	.00044

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RCD0C1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1477/ O RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.993	.60094	.00047	-.01770	-.00073	.00725	.05264	.01236	.09974	-.06613	.03186
-4.003	-3.942	.60092	.12199	.10611	-.08520	-.07825	.04989	.01457	.08937	-.05945	.03088
-4.010	.133	.60139	.24606	.23243	-.17020	-.16444	.04221	.01114	.07939	-.05309	.03001
-4.008	3.966	.59983	.36866	.35647	-.25511	-.25023	.03035	.00151	.06816	-.04537	.02811
GRADIENT		-.00014	.03118	.03165	-.02148	-.02174	-.00246	-.00164	-.00268	.00178	-.00035

RUN NO. 1478/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-7.941	.59914	-.02790	-.04336	.02134	.02792	.05044	.01538	-.00094	.00089	.00136
-.002	-3.933	.59975	.08409	.07167	-.05603	-.05084	.04736	.01881	.00032	.00008	.00169
-.003	.066	.60061	.20508	.19472	-.13899	-.13466	.03994	.01612	.00164	-.00078	.00231
-.003	4.031	.60002	.32692	.31817	-.22352	-.22012	.02750	.00646	.00220	-.00104	.00266
GRADIENT		.00003	.03049	.03095	-.02103	-.02125	-.00249	-.00155	.00024	-.00014	.00012

RUN NO. 1479/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.026	.59951	-.00983	-.02715	.00400	.01153	.05150	.01282	-.10288	.06860	-.02929
3.991	-3.987	.60116	.10879	.09385	-.07822	-.07188	.04849	.01452	-.09013	.06093	-.02809
3.984	-.017	.60023	.22495	.21223	-.15790	-.15255	.04158	.01251	-.07758	.05309	-.02619
3.989	3.996	.59938	.34162	.33097	-.23825	-.23370	.02792	.00384	-.06381	.04368	-.02316
GRADIENT		-.00022	.02916	.02970	-.02005	-.02027	-.00258	-.00134	.00330	-.00216	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOOC2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1481/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.987	.89870	-.00151	-.01986	.00077	.00917	.06501	.02560	.09930	-.06397	.03244
-4.010	-3.864	.90090	.13153	.11724	-.09253	-.08603	.05755	.02668	.08960	-.05838	.03182
-4.002	.109	.90022	.27566	.26363	-.19281	-.18741	.04929	.02304	.07965	-.05226	.03199
-4.006	4.139	.89973	.41879	.40863	-.29277	-.28852	.04245	.01907	.07174	-.04676	.02950
	GRADIENT	-.00015	.03590	.03641	-.02502	-.02530	-.00189	-.00095	-.00223	.00145	-.00029

RUN NO. 1482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.890	.89961	-.04996	-.06460	.03837	.04484	.06113	.02880	-.00201	.00122	.00189
-4.004	-3.896	.89980	.07633	.06443	-.05000	-.04474	.05397	.02772	.00009	-.00012	.00206
-4.003	-.025	.90000	.21100	.20091	-.14434	-.13980	.04649	.02452	.00147	-.00097	.00264
-4.006	3.958	.89965	.35462	.34664	-.24480	-.24119	.03872	.02146	.00075	-.00001	.00336
	GRADIENT	-.00002	.03544	.03593	-.02480	-.02501	-.00194	-.00080	.00008	.00001	.00017

RUN NO. 1483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.989	-7.951	.89942	-.01668	-.03457	.00815	.01612	.06351	.02424	-.10490	.06810	-.02905
3.986	-4.007	.90046	.11190	.09771	-.08144	-.07527	.05594	.02423	-.09078	.05962	-.02851
3.974	.059	.90005	.24695	.23511	-.17522	-.17010	.04796	.02139	-.07535	.04990	-.02700
3.994	3.987	.89990	.37916	.36904	-.26743	-.26301	.04068	.01815	-.06642	.04405	-.02275
	GRADIENT	-.00007	.03343	.03394	-.02326	-.02348	-.00191	-.00076	.00305	-.00195	.00072

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOOC3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1484/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.026	1.09607	-.07876	-.10391	.08293	.09474	.11737	.06446	.09732	-.06241	.03699
-4.014	-3.877	1.10072	.08025	.05921	-.03238	-.02249	.10874	.06454	.08500	-.05346	.03594
-4.012	.095	1.10138	.24265	.22319	-.15019	-.14103	.10385	.06299	.07594	-.04721	.03613
-3.988	4.089	1.09933	.39311	.37488	-.25969	-.25103	.09723	.05922	.06664	-.04114	.03239
	GRADIENT	-.00017	.03927	.03962	-.02853	-.02869	-.00145	-.00067	-.00230	.00155	-.00045

RUN NO. 1485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.035	1.09775	-.11895	-.14036	.11336	.12359	.11301	.06864	-.00188	.00083	.00207
-.003	-4.041	1.10138	.02958	.01060	.00691	.01603	.10689	.06773	.00158	-.00182	.00256
-.004	-.034	1.10105	.19156	.17307	-.10968	-.10077	.10275	.06467	.00432	-.00371	.00318
-.004	3.957	1.10022	.34742	.33018	-.22439	-.21602	.09707	.06187	.00621	-.00509	.00360
	GRADIENT	-.00014	.03974	.03996	-.02892	-.02901	-.00123	-.00073	.00058	-.00041	.00013

RUN NO. 1486/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.989	1.09737	-.09784	-.12424	.09390	.10663	.12026	.06594	-.10517	.06793	-.03462
3.993	-3.979	1.10115	.07044	.04850	-.02711	-.01652	.12440	.07932	-.10116	.06587	-.03548
3.985	.035	1.10121	.23000	.20984	-.14165	-.13188	.12705	.08579	-.09725	.06481	-.03598
3.995	4.049	1.09989	.36755	.34906	-.24121	-.23230	.11500	.07697	-.07662	.04967	-.02990
	GRADIENT	-.00016	.03701	.03744	-.02667	-.02688	-.00117	-.00029	.00306	-.00202	.00070

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1488/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .003	-1.075	1.14977	.18184	.16805	-.10834	-.10163	.10133	.07318	.00301	-.00260	.00304
-4.002	-8.008	1.14530	-.06412	-.08314	.06965	.07852	.11085	.07059	.09605	-.06084	.03649
-4.021	-3.846	1.15049	.10797	.09195	-.05692	-.04945	.10500	.07111	.08615	-.05425	.03817
-4.003	.112	1.15104	.26650	.25160	-.17223	-.16520	.10190	.07064	.07721	-.04832	.03665
-4.008	4.185	1.14981	.40881	.39494	-.27437	-.26786	.09517	.06598	.06671	-.04102	.03244
GRADIENT		-.00008	.03745	.03771	-.02707	-.02719	-.00123	-.00064	-.00242	.00165	-.00072

RUN NO. 1489/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .001	-8.008	1.14795	-.10328	-.11913	.09981	.10737	.10787	.07496	-.00188	.00120	.00202
- .001	-4.042	1.15067	.05694	.04270	-.01723	-.01037	.10260	.07332	.00161	-.00141	.00279
- .005	-.017	1.15069	.23229	.20933	-.13835	-.13156	.10171	.07324	.00493	-.00390	.00379
- .005	4.081	1.14985	.37140	.35869	-.24636	-.24017	.09515	.06929	.00706	-.00543	.00379
GRADIENT		-.00010	.03870	.03889	-.02820	-.02828	-.00092	-.00050	.00067	-.00050	.00012

RUN NO. 1490/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.052	1.14749	-.08496	-.10469	.08200	.09153	.11507	.07455	-.10701	.06917	-.03547
3.990	-3.976	1.15045	.09637	.07950	-.04913	-.04097	.12625	.09165	-.10980	.07327	-.03902
3.989	.032	1.15068	.24887	.23319	-.15943	-.15177	.12601	.09410	-.09718	.06478	-.03586
3.994	4.066	1.15017	.37884	.36474	-.25274	-.24588	.11127	.08249	-.07627	.04940	-.02957
GRADIENT		-.00004	.03512	.03547	-.02532	-.02548	-.00186	-.00114	.00417	-.00297	.00118

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RCOOC5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1491/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.877	1.24839	-.05143	-.06893	.06140	.06954	.11740	.08030	.09800	-.06327	.03869
-4.020	-3.828	1.25063	.11644	.10101	-.06444	-.05712	.11285	.08062	.08762	-.05601	.03778
-4.009	.156	1.25056	.27550	.26124	-.18108	-.17431	.11124	.08151	.07955	-.05105	.03670
-3.992	4.119	1.25002	.40832	.39549	-.27733	-.27119	.10542	.07884	.07032	-.04495	.03326
	GRADIENT	-.00008	.03673	.03706	-.02679	-.02694	-.00093	-.00022	-.00218	.00139	-.00057

RUN NO. 1492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.025	1.24899	-.09213	-.10687	.09270	.09976	.11330	.08278	.00011	-.00048	.00235
-.003	-5.125	1.25008	.02659	.01256	.00337	.01012	.11138	.08247	.00255	-.00239	.00313
-.003	-4.035	1.25018	.07167	.05793	-.03012	-.02348	.11075	.08255	.00349	-.00310	.00337
-.005	.010	1.25003	.23700	.22353	-.15078	-.14419	.10992	.08257	.00590	-.00518	.00402
	GRADIENT	-.00004	.04088	.04094	-.02983	-.02985	-.00020	.00001	.00060	-.00051	.00016

RUN NO. 1493/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.076	1.24901	-.07554	-.09448	.07640	.08552	.12588	.08687	-.11641	.07749	-.03869
3.994	-3.974	1.25019	.09776	.08089	-.05202	-.04386	.12960	.09500	-.10752	.07133	-.03758
3.994	.044	1.25023	.25221	.23689	-.16420	-.15673	.13191	.10071	-.09565	.06319	-.03499
4.000	4.097	1.24983	.38138	.36769	-.25691	-.25017	.12140	.09378	-.08117	.05395	-.03113
	GRADIENT	-.00005	.03514	.03553	-.02538	-.02556	-.00102	-.00015	.00326	-.00215	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1501/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-7.871	1.24879	-.02858	-.03574	.03668	.03990	.09965	.08407	.09595	-.06125	.03720
-4.019	-3.829	1.25046	.13426	.12838	-.08504	-.08218	.09622	.08419	.08496	-.05337	.03609
-4.008	.154	1.25006	.29222	.28719	-.19766	-.19766	.09446	.08487	.07643	-.04784	.03476
-3.990	4.108	1.24964	.42045	.41623	-.29216	-.28991	.08947	.08157	.06681	-.04131	.03132
	GRADIENT	-.00010	.03606	.03627	-.02610	-.02618	-.00085	-.00033	-.00229	.00152	-.00060

RUN NO. 1502/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.015	1.24890	-.07116	-.07702	.06977	.07262	.09785	.08590	-.00014	-.00024	.00218
-.002	-5.122	1.25039	.04367	.03822	-.01607	-.01331	.09630	.08558	.00276	-.00249	.00322
-.002	-4.023	1.25016	.08964	.08428	-.04997	-.04720	.09596	.08562	.00342	-.00304	.00332
-.003	.008	1.25006	.25382	.24878	-.17032	-.16766	.09420	.08468	.00564	-.00503	.00415
	GRADIENT	-.00002	.04072	.04080	-.02985	-.02988	-.00044	-.00023	.00055	-.00049	.00021

RUN NO. 1503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.986	-8.066	1.24898	-.05370	-.06200	.05143	.05550	.10418	.08734	-.10832	.07058	.03617
3.994	-3.964	1.25039	.11569	.10932	-.07371	-.07054	.10755	.09483	-.09817	.06320	-.03450
3.989	.048	1.25020	.26561	.26062	-.18223	-.17973	.10821	.09830	-.08537	.05410	-.03140
4.000	4.094	1.24974	.39118	.38640	-.27093	-.26848	.09914	.08986	-.07125	.04530	-.02760
	GRADIENT	-.00008	.03419	.03438	-.02447	-.02456	-.00105	-.00062	.00334	-.00222	.00086

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCOOC7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.914	1.29910	-.02952	-.03764	.03829	.04200	.10473	.08724	.09919	-.06447	.03766
-4.021	-3.833	1.29985	.13262	.12586	-.08477	-.08146	.10008	.08637	.08636	-.05478	.03602
-4.007	.117	1.30036	.28678	.28121	-.19770	-.19481	.09835	.08767	.07624	-.04772	.03458
-3.990	4.110	1.29976	.41441	.40942	-.28875	-.28613	.09397	.08452	.06672	-.04137	.03165
	GRADIENT	-.00001	.03547	.03569	-.02567	-.02576	-.00077	-.00023	-.00247	.00169	-.00055

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.040	1.29929	-.06863	-.07510	.06775	.07090	.10251	.08932	-.00120	.00076	.00171
-.002	-4.007	1.30018	.09352	.08734	-.05390	-.05072	.10003	.08809	.00177	-.00159	.00340
-.004	.021	1.30015	.25385	.24789	-.17195	-.16882	.09919	.08791	.00393	-.00354	.00387
	GRADIENT	1.29944	.38156	.37688	-.26279	-.26034	.09435	.08543	.00605	-.00512	.00437
		-.00009	.03601	.03619	-.02611	-.02620	-.00071	-.00033	.00053	-.00044	.00012

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.049	1.29904	-.05767	-.06679	.05516	.05959	.10630	.08769	-.10815	.07125	-.03569
3.991	-3.984	1.30020	.10807	.10087	-.06907	-.06549	.10677	.09236	-.09630	.06221	-.03338
3.991	.056	1.30033	.26153	.25589	-.18116	-.17833	.10840	.09723	-.08501	.05433	-.03102
3.998	4.091	1.29978	.38555	.38001	-.26753	-.26466	.10464	.09399	-.07122	.04516	-.02776
	GRADIENT	-.00005	.03436	.03457	-.02458	-.02467	-.00026	.00020	.00311	-.00211	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.854	1.34949	-.02767	-.03612	.03714	.04104	.10802	.08998	.10080	-.06609	.03746
-4.018	-3.811	1.35039	.12464	.11757	-.07935	-.07588	.10286	.08856	.08718	-.05547	.03539
-4.004	.128	1.35019	.27971	.27345	-.19377	-.19052	.10037	.08834	.07596	-.04761	.03419
-4.001	4.202	1.34965	.41111	.40553	-.28683	-.28391	.09718	.08656	.06773	-.04284	.03175
	GRADIENT	-.00009	.03573	.03592	-.02588	-.02595	-.00071	-.00025	-.00242	.00157	-.00045

RUN NO. 1509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.031	1.34904	-.07084	-.07759	.06941	.07270	.10589	.09214	-.00021	.00014	.00194
-.002	-4.000	1.34993	.09276	.08616	-.05434	-.05094	.10262	.08987	.00305	-.00247	.00342
-.004	.015	1.34993	.24861	.24242	-.16911	-.16585	.10163	.08992	.00481	-.00418	.00401
-.004	3.993	1.34910	.37869	.37355	-.26160	-.25891	.09854	.08874	.00643	-.00548	.00443
	GRADIENT	-.00010	.03578	.03596	-.02593	-.02602	-.00051	-.00014	.00042	-.00038	.00013

RUN NO. 1510/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.050	1.34912	-.05870	-.06768	.05628	.06055	.10865	.08998	-.10740	.07096	-.03521
3.996	-4.042	1.35026	.09901	.09123	-.06281	-.05895	.10790	.09236	-.09394	.06053	-.03241
3.989	.056	1.34977	.25252	.24602	-.17240	-.17240	.10879	.09587	-.08222	.05255	-.02994
3.999	4.087	1.35056	.37906	.37328	-.26432	-.26135	.10576	.09455	-.07013	.04482	-.02738
	GRADIENT	.00004	.03446	.03471	-.02480	-.02491	-.00026	.00027	.00293	-.00193	.00062

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (RC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.861	1.39965	-.02907	-.03752	.03809	.04202	.11000	.09206	.10067	-.06676	.03672
-4.021	-3.816	1.40070	.11893	.11192	-.07595	-.07251	.10533	.09111	.08796	-.05677	.03426
-4.001	.119	1.40036	.27406	.26764	-.19042	-.18710	.10333	.09093	.07649	-.04864	.03351
-3.992	4.109	1.39957	.40280	.39680	-.28221	-.27910	.10028	.08874	.06746	-.04283	.03179
	GRADIENT	-.00014	.03581	.03594	-.02602	-.02606	-.00064	-.00030	-.00259	.00176	-.00031

RUN NO. 1513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.015	1.39954	-.07121	-.07814	.07045	.07384	.10957	.09547	.00201	-.00199	.00239
-.001	-4.004	1.40014	.08598	.07890	-.05023	-.04661	.10565	.09186	.00440	-.00396	.00372
-.005	.018	1.40001	.24410	.23744	-.16742	-.16394	.10430	.09157	.00508	-.00451	.00425
-.004	3.996	1.39942	.37396	.36826	-.25965	-.25669	.10134	.09044	.00606	-.00530	.00442
	GRADIENT	-.00009	.03600	.03618	-.02618	-.02626	-.00054	-.00018	.00021	-.00017	.00009

RUN NO. 1514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.987	-8.061	1.39940	-.06231	-.07097	.05880	.06281	.10953	.09112	-.10541	.06968	-.03430
4.003	-3.974	1.40056	.09213	.08433	-.05932	-.05549	.10537	.08958	-.09136	.05873	-.03086
3.997	.070	1.39980	.24653	.24010	-.17360	-.17039	.10543	.09261	-.08071	.05158	-.02918
3.997	4.075	1.40025	.37125	.36517	-.26041	-.25732	.10528	.09335	-.06889	.04388	-.02692
	GRADIENT	-.00004	.03468	.03489	-.02499	-.02508	-.00001	.00047	.00279	-.00184	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCOODO) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1515/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 999.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.950	-7.869	1.54814	-.03422	-.04186	.04229	.04583	.11548	.09918	.09750	-.06509	-.03526
-3.932	-3.768	1.54965	.09512	.08791	-.05908	-.05549	.10763	.09325	.08764	-.05774	.03155
-3.906	.122	1.55050	.24150	.23490	-.16882	-.16549	.10360	.09057	.07596	-.04933	.03075
-3.908	4.054	1.54944	.37101	.36482	-.26246	-.25926	.09990	.08797	.06594	-.04262	.03046
	GRADIENT	-.00003	.03527	.03539	-.02600	-.02605	-.00099	-.00068	-.00277	.00193	-.00014

RUN NO. 1516/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 999.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-7.941	1.54847	-.06943	-.07658	.06953	.07297	.11669	.10200	.00043	-.00048	.00168
-.002	-3.904	1.55005	.06280	.05555	-.03419	-.03050	.10908	.09492	.00252	-.00235	.00224
-.003	.114	1.54974	.21541	.20804	-.14966	-.14586	.10556	.09137	.00403	-.00372	.00306
-.006	4.096	1.54728	.35163	.34534	-.24784	-.24459	.10188	.08979	.00353	-.00317	.00325
	GRADIENT	-.00035	.03611	.03622	-.02671	-.02676	-.00090	-.00064	.00013	-.00010	.00013

RUN NO. 1517/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.550		IEABOX = 999.000			
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.036	-8.158	1.54800	-.06411	-.07228	.06164	.06550	.11603	.09894	-.10455	.07004	-.03428
4.063	-4.060	1.54934	.06459	.05673	-.03907	-.03526	.10717	.09109	-.09035	.05908	-.02976
4.099	.059	1.54965	.21676	.21000	-.15486	-.15156	.10374	.08999	-.07869	.05109	-.02752
4.066	4.140	1.54923	.34660	.33998	-.24648	-.24317	.10401	.09080	-.07005	.04572	-.02694
	GRADIENT	-.00001	.03440	.03455	-.02530	-.02536	-.00039	-.00003	.00248	-.00163	.00035

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (RC00D1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.095	.5982	-.02103	-.03893	.01518	.02286	.05175	.01139	.09570	-.06356	.02926
-4.000	-4.003	.60092	.09632	.08099	-.06644	-.05984	.04827	.01378	.09004	-.06020	.02940
-4.001	-.006	.60068	.21246	.19988	-.14678	-.14155	.03927	.01027	.08429	-.05658	.02988
-4.003	3.976	.59947	.33531	.32483	-.23203	-.22773	.02632	.00197	.07327	-.04905	.02889
	GRADIENT	-.00018	.02995	.03056	-.02075	-.02104	-.00275	-.00148	-.00210	.00140	-.00006

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.013	.59905	-.04331	-.05791	.03233	.03850	.04822	.01491	-.00664	.00479	-.00071
.001	-3.930	.60059	.06985	.05763	-.04051	-.04597	.04597	.01792	-.00447	.00323	-.00032
.001	-.002	.60120	.19100	.18096	-.12872	-.12460	.03952	.01619	-.00286	.00218	.00030
-.000	4.066	.60024	.31510	.30639	-.21495	-.21139	.02735	.00702	-.00068	.00081	.00109
	GRADIENT	-.00004	.03067	.03111	-.02117	-.02137	-.00233	-.00137	.00047	-.00030	.00018

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.092	.59864	-.01220	-.03018	.00798	.01586	.05253	.01258	-.10602	.07072	-.03158
3.996	-4.023	.60076	.10782	.09238	-.07549	-.06889	.04935	.01448	-.09257	.06250	-.03010
3.995	-.010	.60109	.22222	.20927	-.15444	-.14894	.04127	.01188	-.07976	.05431	-.02818
3.999	3.968	.60071	.33885	.32842	-.23513	-.23068	.03796	.00433	-.06538	.04453	-.02495
	GRADIENT	-.00001	.02891	.02954	-.01998	-.02025	-.00268	-.00127	.00340	-.00225	.00064

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(RCOOD3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .900 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.978	.89972	-.02664	-.04425	.01939	.02733	.06253	.02424	.09483	-.06122	.02903
-3.999	-4.072	.90030	.10075	.08699	-.07032	-.06429	.05431	.02370	.08833	-.05758	.02936
-3.991	-.008	.90020	.23901	.22804	-.16684	-.16205	.04490	.02048	.08157	-.05354	.03057
-3.997	3.991	.89994	.37972	.37076	-.26564	-.26183	.03734	.01699	.07483	-.04887	.02917
	GRADIENT	-.00004	.03460	.03519	-.02422	-.02450	-.00210	-.00083	-.00167	.00108	-.00002

RUN NO. 1728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.052	.90002	-.07598	-.09008	.05703	.06321	.05764	.02635	-.00527	.00311	-.00002
.003	-4.055	.90042	.04930	.03824	-.03056	-.02572	.05061	.02603	-.00260	.00132	.00033
.002	-.028	.89989	.19051	.18142	-.12894	-.12490	.04361	.02365	-.00148	.00077	.00050
.001	3.958	.89956	.33521	.32819	-.23037	-.22719	.03597	.02078	-.00020	.00029	.00156
	GRADIENT	-.00011	.03568	.03618	-.02493	-.02514	-.00183	-.00066	.00030	-.00013	.00015

RUN NO. 1729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.001	-7.958	.89999	-.01841	-.03648	.01238	.02032	.06372	.02369	-.10857	.07045	-.03190
4.002	-4.055	.90005	.10817	.09387	-.07646	-.07027	.05580	.02373	-.09444	.06187	-.03086
3.996	.008	.90093	.24376	.23257	-.17107	-.16627	.04699	.02173	-.07910	.05237	-.02973
3.997	3.996	.89982	.37876	.36956	-.26607	-.26214	.03888	.01810	-.06834	.04500	-.02623
	GRADIENT	-.00003	.03361	.03425	-.02355	-.02383	-.00210	-.00070	.00324	-.00210	.00057

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RCOOD4) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.094	.94911	-.05041	-.06669	.03992	.04726	.07051	.03515	.09474	-.06032	.02935
-4.002	-4.078	.95033	.08434	.07184	-.05588	-.05026	.06022	.03301	.08707	-.05544	.02937
-3.994	.033	.95112	.22751	.21760	-.15692	-.15242	.05096	.02953	.07928	-.05074	.02989
-3.998	3.993	.94913	.37405	.36589	-.26041	-.25667	.04360	.02609	.07132	-.04527	.03015
	GRADIENT	-.00015	.03589	.03642	-.02534	-.02557	-.00206	-.00086	-.00195	.00126	.00010

RUN NO. 1731/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-8.058	.95008	-.09440	-.10808	.07480	.08096	.06771	.03796	-.00652	.00422	-.00070
.002	-4.047	.95023	.03484	.02476	-.01735	-.01286	.05763	.03553	-.00323	.00185	-.00041
.001	-.021	.94975	.17813	.17018	-.11842	-.11472	.04866	.03184	-.00148	.00086	-.00002
.000	3.976	.94891	.32987	.32435	-.22569	-.22307	.03938	.02789	-.00056	.00045	.00143
	GRADIENT	-.00016	.03677	.03734	-.02597	-.02620	-.00228	-.00095	.00033	-.00018	.00023

RUN NO. 1732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.943	.95005	-.04033	-.05755	.03173	.03942	.07106	.03333	-.10766	.06878	-.03203
4.000	-4.054	.95032	.08986	.07599	-.06034	-.05420	.06209	.03154	-.09161	.05837	-.03103
3.989	.042	.95009	.23127	.22061	-.15993	-.15521	.05394	.03046	-.07779	.05029	-.02930
4.001	3.987	.94874	.36568	.35787	-.25480	-.25114	.04458	.02812	-.06617	.04216	-.02647
	GRADIENT	-.00020	.03430	.03506	-.02418	-.02449	-.00218	-.00042	.00317	-.00202	.00057

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RCOOD5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABDX = .000
 TB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-8.101	1.05037	-.08399	-.10311	.07705	.08590	.09417	.05345	.09170	-.05665	.03132
-4.002	-4.018	1.04856	.07249	.05612	-.03553	-.02792	.08423	.04947	.08095	-.04836	.03120
-3.998	.020	1.05056	.23192	.21683	-.14989	-.14286	.08065	.04871	.07502	-.04451	.03306
-3.997	4.004	1.05004	.38422	.37121	-.25983	-.25369	.07370	.04642	.06674	-.03947	.03102
	GRADIENT	.00019	.03886	.03928	-.02796	-.02815	-.00131	-.00038	-.00177	.00111	-.00002

RUN NO. 1734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.020	1.04975	-.11750	-.13392	.10390	.11169	.09111	.05682	-.00378	.00191	-.00035
.002	-4.045	1.05192	.02982	.01403	-.00051	.00706	.08748	.05484	.00007	-.00089	.00035
.001	-.005	1.05087	.19735	.18278	-.12119	-.11422	.08174	.05159	.00190	-.00195	.00093
-.000	3.967	1.04964	.34846	.33752	-.23133	-.22601	.07061	.04829	.00382	-.00341	.00218
	GRADIENT	-.00028	.03978	.04038	-.02881	-.02909	-.00210	-.00082	.00047	-.00031	.00023

RUN NO. 1735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.034	1.04953	-.06995	-.08951	.06576	.07500	.09691	.05600	-.10436	.06457	-.03533
3.998	-4.011	1.05084	.09492	.07892	-.05124	-.04371	.10131	.06771	-.10148	.06384	-.03660
4.004	.015	1.05052	.25884	.24368	-.16810	-.16093	.10533	.07363	-.09322	.05932	-.03565
4.001	4.010	1.04994	.38839	.37547	-.26210	-.25606	.08420	.05695	-.06967	.04237	-.02810
	GRADIENT	-.00011	.03659	.03698	-.02629	-.02648	-.00213	-.00134	.00396	-.00268	.00106

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RC00D6) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.063	1.09762	-.10967	-.13301	.10588	.11683	.11466	.06553	.09421	-.05966	.03409
-4.001	-4.091	1.10122	.04563	.02588	-.00661	.00271	.10651	.06514	.08519	-.05282	.03399
-4.000	.009	1.10058	.20554	.18708	-.12242	-.11361	.10136	.06307	.07769	-.04778	.03535
-3.999	4.002	1.09949	.35338	.33628	-.22999	-.22176	.09427	.05906	.06913	-.04256	.03208
	GRADIENT	-.00021	.03803	.03836	-.02761	-.02774	-.00151	-.00075	-.00198	.00127	-.00023

RUN NO. 1738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.092	1.09922	-.14472	-.16520	.13341	.14322	.11154	.06920	-.00502	.00273	-.00070
.003	-4.010	1.10171	.00921	-.00903	.02288	.03170	.10464	.06722	-.00160	.00015	-.00041
.002	-.041	1.10070	.17060	.15299	-.09404	-.08552	.10038	.06431	.00081	-.00141	.00018
.001	3.964	1.09933	.32675	.31022	-.20848	-.20039	.09541	.06189	.00327	-.00327	.00116
	GRADIENT	-.00030	.03982	.04003	-.02901	-.02910	-.00116	-.00067	.00061	-.00043	.00020

RUN NO. 1739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.044	1.09840	-.10325	-.12757	.10184	.11353	.12403	.07387	-.11790	.07755	-.03956
3.998	-4.013	1.10181	.06807	.04760	-.02119	-.01139	.13036	.08803	-.11439	.07597	-.04045
4.000	.015	1.10091	.22937	.21027	-.13720	-.12800	.09424	.09424	-.10681	.07154	-.03966
3.998	4.003	1.09999	.36589	.34874	-.23709	-.22884	.11891	.08353	-.08534	.05568	-.03331
	GRADIENT	-.00023	.03716	.03757	-.02693	-.02713	-.00143	-.00056	.00362	-.00253	.00089

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (RC00D7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.028	1.15261	-.09257	-.10976	.09097	.09898	.10842	.07205	.09256	-.05892	.03352
-4.000	-4.077	1.15216	.07308	.05811	-.03105	-.02403	.10309	.07157	.08455	-.05323	.03525
-4.000	.018	1.15150	.23147	.21743	-.14637	-.13968	.10012	.07094	.07864	-.04892	.03521
-4.000	4.013	1.15003	.37069	.35787	-.24655	-.24041	.09312	.06658	.06897	-.04205	.03245
	GRADIENT	-.00026	.03679	.03706	-.02664	-.02675	-.00123	-.00061	-.00192	.00138	-.00034

RUN NO. 1741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.014	1.14954	-.12776	-.14285	.11905	.12627	.10687	.07564	-.00487	.00296	-.00095
.003	-4.060	1.15115	.03276	.01896	.00144	.00813	.10137	.07312	-.00228	.00116	-.00030
.002	-.032	1.15084	.20082	.18748	-.12124	-.11472	.09958	.07243	.00050	-.00087	.00073
.000	3.959	1.14988	.34359	.33150	-.22484	-.21890	.09386	.06944	.00303	-.00275	.00165
	GRADIENT	-.00016	.03877	.03898	-.02822	-.02831	-.00094	-.00046	.00066	-.00049	.00024

RUN NO. 1742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.069	1.14814	-.08564	-.10364	.08703	.09565	.12013	.08293	-.11966	.07882	-.04024
4.003	-4.016	1.15052	.09621	.08062	-.04499	-.03751	.13062	.09844	-.12093	.08180	-.04318
4.000	.017	1.15092	.24963	.23511	-.15589	-.14888	.13159	.10174	-.10719	.07222	-.03963
3.998	4.005	1.15002	.37725	.36434	-.24803	-.24182	.11840	.09180	-.08650	.05674	-.03364
	GRADIENT	-.00006	.03504	.03538	-.02532	-.02548	-.00152	-.00082	.00429	-.00312	.00119

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RC00D8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1743/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-8.040	1.25049	-.08261	-.09860	.08573	.09319	.11589	.08207	.09338	-.05999	.03508
-4.003	-4.081	1.25067	.07910	.06444	-.03537	-.02842	.11236	.08177	.08657	-.05489	.03532
-4.000	.014	1.25018	.23040	.21643	-.14622	-.13947	.10965	.08100	.07880	-.04915	.03494
-4.000	4.029	1.25003	.36774	.35465	-.24600	-.23967	.10486	.07799	.07325	-.04630	.03336
	GRADIENT	-.00008	.03560	.03579	-.02598	-.02605	-.00092	-.00046	-.00164	.00106	-.00024

RUN NO. 1744/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.042	1.24956	-.11320	-.12745	.10973	.11651	.11256	.08294	-.00349	.00187	-.00105
.003	-4.036	1.25072	.04839	.03493	-.01137	-.00484	.10385	.08234	-.00065	-.00023	-.00007
.002	-.046	1.25015	.21061	.19762	-.13024	-.12386	.10804	.08175	.00172	-.00199	.00097
.001	3.955	1.24945	.34969	.33737	-.23039	-.22434	.10492	.07999	.00371	-.00328	.00174
	GRADIENT	-.00016	.03770	.03785	-.02741	-.02747	-.00062	-.00029	.00054	-.00038	.00023

RUN NO. 1745/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.005	-8.065	1.24968	-.07223	-.08953	.07940	.08761	.13270	.09666	-.13135	.08923	-.04441
4.002	-4.024	1.25012	.09721	.08164	-.04610	-.03867	.13606	.10376	-.12091	.08182	-.04262
4.005	.017	1.24979	.24721	.23267	-.15514	-.14812	.13767	.10779	-.10774	.07259	-.03944
3.998	4.028	1.25005	.37514	.36231	-.24819	-.24191	.12797	.10190	-.09363	.06348	-.03580
	GRADIENT	-.00001	.03452	.03486	-.02510	-.02524	-.00100	-.00023	.00339	-.00228	.00085

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(RCOOD9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.035	1.24903	-0.05593	-0.06188	0.05793	0.06052	0.09857	0.08529	0.09101	-0.05780	0.03373
-4.001	-4.013	1.24977	0.10669	0.10165	-0.06383	-0.06149	0.09418	0.08347	0.08270	-0.05132	0.03354
-3.999	0.016	1.25027	0.25419	0.24992	-0.17210	-0.16985	0.09160	0.08352	0.07417	-0.04488	0.03225
-3.998	4.012	1.24977	0.38309	0.37911	-0.26416	-0.26212	0.08791	0.08018	0.06889	-0.04212	0.03089
	GRADIENT	0.00000	0.03445	0.03458	-0.02497	-0.02500	-0.00078	-0.00041	-0.00172	0.00115	-0.00033

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.001	-7.988	1.24938	-0.08588	-0.09072	0.08158	0.08393	0.09623	0.08636	-0.00359	0.00184	-0.00104
0.002	-4.062	1.25036	0.06838	0.06327	-0.03337	-0.03072	0.09473	0.08494	-0.00112	0.00003	-0.00016
0.000	-0.045	1.25013	0.23185	0.22716	-0.15323	-0.15075	0.09315	0.08431	0.00146	-0.00185	0.00085
-0.001	3.989	1.24965	0.36563	0.36214	-0.24880	-0.24691	0.08865	0.08225	0.00323	-0.00295	0.00152
	GRADIENT	-0.00009	0.03692	0.03712	-0.02676	-0.02685	-0.00076	-0.00033	0.00054	-0.00037	0.00021

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.031	1.24925	-0.04320	-0.04965	0.04768	0.05070	0.10753	0.09393	-0.11986	0.07966	-0.04081
4.002	-4.017	1.25009	0.12344	0.11829	-0.07530	-0.07284	0.11154	0.10085	-0.11109	0.07338	-0.03950
4.000	0.018	1.25027	0.26928	0.26498	-0.18116	-0.17902	0.11171	0.10315	-0.09776	0.06406	-0.03618
4.000	4.017	1.24986	0.38857	0.38486	-0.26607	-0.26420	0.10398	0.09664	-0.08404	0.05531	-0.03269
	GRADIENT	-0.00003	0.03300	0.03318	-0.02375	-0.02382	-0.00094	-0.00052	0.00337	-0.00225	0.00085

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

DATE 10 SEP 92

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1.3

(RCOOEO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1702/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.031	1.29909	-05657	-06313	05860	06149	10179	08729	09608	06286	03434
-4.001	-4.022	1.30003	10541	09968	06366	06094	09775	08580	08526	05405	03370
-3.995	0.018	1.30004	25414	24920	17359	17101	09490	08546	07713	04782	03254
-4.001	4.027	1.29997	37736	37240	26079	25830	09244	08260	06936	04289	03131
	GRADIENT	-00001	03379	03388	02449	02452	00066	00040	00198	00139	00030

RUN NO. 1703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
003	-8.072	1.29944	08183	08736	07835	08105	10039	08917	00467	00292	00107
001	-4.065	1.30038	07199	06608	03697	03393	09849	08706	00258	00137	00009
000	0.037	1.30000	23073	22517	15370	15077	09748	08700	00012	00058	00089
000	3.958	1.29945	36061	35603	24662	24421	09329	08460	00194	00186	00142
	GRADIENT	-00012	03598	03615	02614	02622	00065	00031	00056	00040	00019

RUN NO. 1704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.035	1.29981	04564	05338	04989	05357	10954	09342	11939	07991	04041
4.002	-4.008	1.30025	11721	11179	07155	06903	11095	09947	10867	07189	03829
3.996	0.025	1.30033	26516	25996	17995	17736	11148	10114	09554	06257	03514
4.002	4.024	1.29980	38161	37703	26187	25955	10653	09755	08242	05382	03219
	GRADIENT	-00006	03292	03303	02370	02372	00055	00024	00327	00225	00076

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,3

(RCOOE1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-8.026	1.34917	-.05593	-.06281	.05846	.06155	.10553	.09052	.09599	-.06317	.03393
-4.000	-4.012	1.34982	.09956	.09334	-.06011	-.05709	.10080	.08809	.08471	-.05389	.03273
-4.003	.017	1.35004	.24388	.23866	-.16691	-.16420	.09799	.08802	.07696	-.04800	.03198
-4.002	4.017	1.34991	.37039	.36531	-.25656	-.25401	.09564	.08557	.07049	-.04423	.03165
	GRADIENT	.00001	.03373	.03387	-.02447	-.02453	-.00064	-.00031	-.00177	.00120	-.00013

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-7.980	1.34978	-.07586	-.08168	.07391	.07675	.10379	.09192	-.00430	.00272	-.00089
.001	-4.046	1.35070	.07590	.06986	-.04072	-.03762	.10128	.08957	-.00207	.00103	-.00007
.000	-.034	1.35003	.22681	.22092	-.15171	-.14865	.10030	.08899	.00060	-.00089	.00088
-.001	3.991	1.34962	.35572	.35056	-.24348	-.24082	.09703	.08703	.00210	-.00189	.00148
	GRADIENT	-.00013	.03482	.03492	-.02523	-.02528	-.00053	-.00032	.00052	-.00036	.00019

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.044	1.34940	-.04792	-.05590	.05218	.05601	.11187	.09541	-.11942	.08021	-.04014
4.002	-4.013	1.35003	.11246	.10607	-.06889	-.06584	.11256	.09927	-.10849	.07200	-.03823
3.999	.020	1.35002	.25602	.25012	-.17423	-.17132	.11283	.10098	-.09421	.06206	-.03456
4.000	4.022	1.34962	.37375	.36868	-.25719	-.25462	.10830	.09832	-.08203	.05418	-.03198
	GRADIENT	-.00005	.03252	.03268	-.02344	-.02350	-.00053	-.00012	.00329	-.00222	.00078

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

DATE 10 SEP 92

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3

(RC00E2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1709/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-8.040	1.39887	-.05922	-.06648	.06168	.06492	.10865	.09275	.09689	-.06416	.03405
-3.999	-4.021	1.39996	.09056	.08423	-.05360	-.05055	.10340	.09038	.08782	-.05695	.03254
-3.996	.021	1.40000	.23950	.23433	-.16502	-.16236	.09945	.08947	.07964	-.05069	.03210
-3.998	4.013	1.39953	.36362	.35790	-.25245	-.24958	.09824	.08689	.07064	-.04443	.03145
	GRADIENT	-.00005	.03399	.03407	-.02475	-.02478	-.00064	-.00043	-.00214	.00156	-.00014

RUN NO. 1710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.066	1.39984	-.07869	-.08495	.07672	.07973	.10778	.09487	-.00310	.00137	-.00051
.001	-4.045	1.40074	.07496	.06826	-.04096	-.03756	.10431	.09114	-.00055	-.00042	.00051
-.000	-.045	1.40021	.22376	.21716	-.15090	-.14755	.10351	.09057	.00113	-.00141	.00114
-.001	3.945	1.39970	.34905	.34331	-.23999	-.23709	.09998	.08866	.00239	-.00213	.00165
	GRADIENT	-.00013	.03431	.03443	-.02491	-.02497	-.00054	-.00031	.00037	-.00021	.00014

RUN NO. 1711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.038	1.40026	-.04565	-.05377	.05056	.05442	.11407	.09719	-.11801	.07949	-.03945
4.002	-4.010	1.40042	.10377	.09717	-.06338	-.06026	.11150	.09767	-.10468	.06912	-.03631
3.997	.027	1.40036	.25193	.24603	-.17312	-.17024	.11216	.10015	-.09236	.06067	-.03385
4.005	4.040	1.39983	.36953	.36389	-.25566	-.25285	.10972	.09845	-.08068	.05309	-.03162
	GRADIENT	-.00007	.03302	.03314	-.02389	-.02393	-.00022	.00010	.00298	-.00199	.00058

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3 (RCOOE3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.051	-8.139	1.55233	-.05744	-.06474	.06031	.06369	.11374	.09819	.09603	-.06449	.03327
-4.079	-4.160	1.54945	.06982	.06290	-.03910	-.03581	.10604	.09164	.08978	-.05953	.03093
-4.095	.024	1.54880	.21722	.21088	-.15092	-.14775	.10144	.08885	.08112	-.05300	.03095
-4.067	4.093	1.54889	.34157	.33489	-.23977	-.23641	.09927	.08604	.07099	-.04571	.03098
	GRADIENT	-.00007	.03294	.03297	-.02432	-.02432	-.00082	-.00068	-.00228	.00167	.00001

RUN NO. 1713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-7.967	1.54853	-.07502	-.08239	.07426	.07773	.11431	.09890	-.00321	.00167	-.00069
.001	-3.965	1.54918	.05282	.04523	-.02580	-.02204	.10806	.09284	-.00096	.00008	.00026
.000	.054	1.54804	.20171	.19390	-.13885	-.13494	.10438	.08886	.00124	-.00128	.00087
-.000	4.064	1.54872	.32900	.32211	-.22927	-.22584	.10165	.08787	.00179	-.00149	.00119
	GRADIENT	-.00006	.03440	.03448	-.02534	-.02538	-.00080	-.00062	.00034	-.00020	.00012

RUN NO. 1714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.128	1.54800	-.04914	-.05824	.05416	.05847	.12024	.10122	-.11598	.07879	-.03900
4.076	-4.091	1.54909	.08010	.07221	-.04705	-.04334	.10938	.09280	-.10015	.06669	-.03394
4.103	.032	1.55000	.22492	.21787	-.15665	-.15330	.10716	.09250	-.08914	.05928	-.03202
4.067	4.083	1.54814	.34596	.33881	-.24259	-.23913	.10714	.09250	-.08072	.05420	-.03147
	GRADIENT	-.00012	.03253	.03262	-.02393	-.02396	-.00027	-.00004	.00238	-.00153	.00030

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 664/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.895	.59862	-.02816	-.05222	.02466	.03669	.06407	.01620	-.00361	.00281	.00043
.000	-3.945	.59952	.08984	.06690	-.05691	-.04543	.06399	.01836	-.00173	.00149	.00085
-.000	.077	.60006	.21803	.19616	-.14521	-.13423	.05833	.01501	-.00080	.00092	.00135
-.001	4.059	.60048	.34591	.32494	-.23392	-.22335	.04778	.00633	.00024	.00040	.00193
	GRADIENT	.00012	.03199	.03224	-.02211	-.02223	-.00202	-.00150	.00025	-.00014	.00014

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 665/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.913	.80005	-.03649	-.06231	.03188	.04473	.07262	.02102	-.00527	.00381	.00048
-.001	-4.026	.79996	.08832	.06347	-.05548	-.04314	.07017	.02041	-.00318	.00253	.00088
-.000	.077	.79968	.23053	.20719	-.15407	-.14245	.06417	.01757	-.00209	.00186	.00128
.002	3.974	.79940	.37197	.34980	-.25358	-.24249	.05372	.00964	-.00066	.00093	.00216
	GRADIENT	-.00007	.03545	.03579	-.02476	-.02491	-.00205	-.00134	.00031	-.00020	.00016

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-8.038	.90022	-.08117	-.10926	.07212	.08609	.08906	.03288	-.00534	.00356	.00031
.001	-4.530	.90015	.04153	.01497	-.01534	-.00215	.08474	.03151	-.00275	.00183	.00028
.001	-4.036	.89989	.05850	.03201	-.02737	-.01424	.08424	.03109	-.00212	.00139	.00038
.000	-.013	.89964	.21113	.18667	-.13621	-.12406	.07584	.02687	-.00081	.00047	.00136
.002	4.092	.89926	.36830	.34511	-.24753	-.23602	.06941	.02296	-.00072	.00080	.00252
	GRADIENT	-.00009	.03797	.03838	-.02699	-.02719	-.00182	-.00100	.00022	-.00012	.00026

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.044	.94995	-.09733	-.12806	.09081	.10595	.10916	.04715	-.00496	.00299	.00098
.001	-4.026	.94990	.04708	.01826	-.01343	.00070	.10316	.04477	-.00221	.00107	.00111
.000	-.018	.94966	.20069	.17349	-.12406	-.11071	.09487	.03980	.00067	-.00107	.00178
.001	4.085	.94926	.36391	.33835	-.24147	-.22890	.08429	.03264	.00201	-.00187	.00288
	GRADIENT	-.00008	.03906	.03947	-.02812	-.02831	-.00233	-.00150	.00052	-.00036	.00022

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.023	1.04957	-.11554	-.15019	.11492	.13187	.12976	.05939	-.00306	.00152	.00148
.000	-4.045	1.05012	.04102	.00861	.00182	.01760	.12287	.05683	.00075	-.00124	.00211
-.001	-.021	1.05010	.20744	.17614	-.11715	-.10191	.11842	.05462	.00327	-.00304	.00250
-.002	4.085	1.04964	.36748	.33690	-.23217	-.21729	.11383	.05145	.00596	-.00510	.00337
	GRADIENT	-.00006	.04015	.04037	-.02878	-.02889	-.00111	-.00066	.00064	-.00048	.00016

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.039	1.09907	-.13674	-.17609	.13921	.15834	.14834	.06801	-.00451	.00264	.00082
-.002	-4.747	1.10058	-.00617	-.04359	.04456	.06269	.14332	.06671	-.00273	.00143	.00085
-.001	-3.999	1.10002	.02089	-.01619	.02526	.04322	.14207	.06608	-.00208	.00094	.00105
-.000	-.032	1.10020	.18685	.15101	-.09517	-.07794	.13726	.06340	.00124	-.00138	.00162
-.001	4.108	1.09942	.35237	.31743	-.21649	-.19976	.13355	.06124	.00367	-.00323	.00253
	GRADIENT	-.00010	.04072	.04100	-.02965	-.02981	-.00110	-.00062	.00073	-.00053	.00018

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.055	1.14914	-.12418	-.15699	.12685	.14285	.14045	.07365	-.00495	.00331	.00083
.000	-4.050	1.15104	.04727	.01594	.00108	.01631	.13558	.07159	-.00193	.00123	.00131
-.001	-.026	1.15031	.21669	.18586	-.12258	-.10771	.13478	.07142	.00152	-.00143	.00225
-.001	3.966	1.14943	.36476	.33405	-.22985	-.21514	.13230	.06879	.00391	-.00314	.00278
	GRADIENT	-.00020	.03961	.03969	-.02881	-.02888	-.00041	-.00035	.00073	-.00054	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RCOOF1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.071	1.24923	-.10707	-.13617	.11232	.12656	.14008	.08104	-.00323	.00184	.00098
.001	-5.152	1.25046	.01895	-.00980	.01740	.03139	.13882	.08020	-.00072	-.00009	.00170
.000	-4.080	1.24996	.06439	.03574	-.01620	-.00227	.13879	.08029	.00027	-.00087	.00185
-.001	-.039	1.24984	.23281	.20484	-.13983	-.12634	.13759	.08010	.00354	-.00359	.00276
-.002	3.968	1.25011	.37406	.34618	-.24062	-.22719	.13615	.07877	.00552	-.00480	.00332
	GRADIENT	.00002	.03848	.03858	-.02789	-.02795	-.00033	-.00019	.00065	-.00049	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RCOOF2) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.068	1.34990	-.09926	-.12786	.10406	.11803	.14384	.08570	-.00312	.00219	.00072
.001	-4.031	1.35005	.07185	.04366	-.02626	-.01257	.14123	.08362	-.00062	.00020	.00168
.000	-.022	1.34994	.23551	.20833	-.14778	-.13464	.13957	.08379	.00251	-.00250	.00252
.002	3.972	1.34983	.37372	.34624	-.24574	-.23248	.13903	.08255	.00444	-.00398	.00312
	GRADIENT	-.00003	.03772	.03781	-.02743	-.02748	-.00028	-.00013	.00063	-.00052	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RCOOF3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.078	1.39969	-.09848	-.12717	.10329	.11729	.14627	.08787	-.00159	.00061	.00126
.002	-4.847	1.40043	.03189	.00333	.00305	.01693	.14427	.08595	.00080	-.00128	.00208
.002	-4.052	1.40010	.06618	.03783	-.02322	-.00947	.14362	.08562	.00124	-.00163	.00222
.001	-.031	1.39961	.23178	.20389	-.14699	-.13349	.14183	.08468	.00274	-.00278	.00298
.001	3.957	1.39983	.37033	.34302	-.24592	-.23274	.13933	.08322	.00460	-.00424	.00345
	GRADIENT	-.00006	.03859	.03873	-.02841	-.02848	-.00054	-.00030	.00042	-.00033	.00016

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.964	1.54892	-.08843	-.11629	.09510	.10869	.15019	.09351	-.00226	.00135	.00102
.000	-3.947	1.54879	.04791	.02000	-.01147	.00206	.14450	.08737	.00045	-.00089	.00156
-.001	.069	1.54845	.20517	.17711	-.13164	-.11804	.14093	.08347	.00277	-.00282	.00249
-.001	4.058	1.54824	.34579	.31934	-.23377	-.22096	.13589	.08170	.00332	-.00317	.00292
	GRADIENT	-.00007	.03721	.03740	-.02777	-.02786	-.00108	-.00071	.00036	-.00028	.00017

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.067	1.29924	-.09497	-.12630	.10003	.11530	.15804	.09423	-.13429	.09278	-.04282
4.000	-4.008	1.30002	.07698	.04535	-.02733	-.01192	.16644	.10200	-.12703	.08772	-.04219
3.992	.005	1.30027	.24560	.21741	-.15261	-.13886	.16654	.10918	-.11642	.08055	-.04029
4.009	4.108	1.29989	.38345	.35534	-.24991	-.23621	.16380	.10654	-.10342	.07231	-.03747
	GRADIENT	-.00002	.03775	.03818	-.02741	-.02762	-.00033	.00055	.00291	-.00190	.00058

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RCOOF6) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.978	1.34949	-.09365	-.12496	.09929	.11452	.16013	.09625	-.13335	.09243	-.04228
3.997	-4.097	1.34967	.06792	.03626	-.02214	-.00676	.16443	.09973	-.12279	.08453	-.04037
3.996	.011	1.35021	.23716	.20752	-.14805	-.13366	.16476	.10416	-.11162	.07704	-.03837
3.995	3.993	1.34994	.37221	.34387	-.24411	-.23031	.16109	.10334	-.09841	.06847	-.03541
	GRADIENT	.00003	.03763	.03804	-.02746	-.02765	-.00041	.00045	.00301	-.00198	.00061

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2

(RCOOF7) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.891	.60025	.08887	.07650	-.05921	-.05411	.04622	.01753	-.00167	.00149	.00096
.000	-3.888	.60012	.08851	.07605	-.05897	-.05379	.04622	.01748	-.00105	.00100	.00114
	GRADIENT	-.05357	-.14063	-.17411	.09375	.12277	.00000	-.02121	.24163	-.18935	.07003

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2

(RCOOF8) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.871	.79996	.09271	.08049	-.06292	-.05771	.04757	.01993	-.00275	.00239	.00093
-.001	-3.872	.79958	.09281	.08067	-.06309	-.05791	.04759	.02007	-.00312	.00266	.00080
	GRADIENT	.75000	-.21875	-.34375	.34375	.42188	-.03125	-.29688	.76367	-.55371	.26099

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (RC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.981	.89963	.07857	.06664	-.05164	-.04639	.05273	.02629	-.00147	.00095	.00118
.000	-3.973	.89986	.07959	.06776	-.05232	-.04713	.05292	.02666	-.00170	.00113	.00109
	GRADIENT	.03049	.13288	.14660	-.08880	-.09642	.02464	.04827	-.03061	.02400	-.01066

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (RC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 414/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.969	.94959	.06667	.05529	-.04107	-.03601	.06017	.03515	-.00191	.00127	.00072
.000	-3.969	.94982	.06663	.05517	-.04099	-.03589	.06051	.03533	-.00188	.00122	.00072
	GRADIENT	-.25000	.00000	.03125	-.01563	-.01563	-.07813	-.04688	-.00488	.01025	.00000

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (RC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.979	1.04945	.05973	.04403	-.02414	-.01666	.08743	.05481	.00072	-.00089	.00184
.000	-3.975	1.04944	.06066	.04487	-.02478	-.01727	.08764	.05478	.00072	-.00088	.00187
	GRADIENT	.00000	.26331	.23958	-.18200	-.17477	.05787	-.00810	-.00031	.00416	.00939

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G2) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 416/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.855	1.09880	.04302	.02331	-.00304	.00642	.10746	.06677	-.00105	-.00035	.00120
-.002	-3.864	1.09982	.04213	.02242	-.00242	.00703	.10747	.06674	-.00089	-.00049	.00126
	GRADIENT	-.00318	.10231	.10176	-.07192	-.07016	-.00100	.00358	-.01877	.01568	-.00679

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 417/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.937	1.15070	.07023	.05593	-.02848	-.02164	.10100	.07135	-.00010	-.00011	.00193
-.002	-3.935	1.15021	.07105	.05674	-.02907	-.02222	.10081	.07121	.00022	-.00036	.00196
	GRADIENT	-.20588	.27941	.27941	-.20313	-.19761	-.06618	-.04779	.10942	-.08463	.01051

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G4) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 421/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-3.889	1.24953	.08726	.07415	-.04273	-.03635	.10896	.08220	.00049	-.00085	.00210
-.002	-3.892	1.24956	.08672	.07359	-.04223	-.03583	.10901	.08225	.00041	-.00080	.00210
	GRADIENT	-.03846	.20913	.21635	-.19351	-.20072	-.02163	-.02163	.02935	-.01773	-.00195

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RCOOG5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-3.873	1.24958	.08693	.07357	-.04244	-.03598	.10928	.08190	.00076	-.00113	.00222
-.002	-3.872	1.24971	.08700	.07369	-.04244	-.03601	.10938	.08207	.00080	-.00119	.00225
	GRADIENT	.00000	.04688	.08594	.00391	-.01563	.06250	.11719	.02582	-.04370	.02173

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RCOOG6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.804	1.29989	.09390	.07986	-.04915	-.04232	.11301	.08436	-.00133	.00072	.00207
-.002	-3.809	1.29987	.09383	.07974	-.04903	-.04218	.11303	.08430	-.00123	.00066	.00210
	GRADIENT	.00000	.01662	.02527	-.02493	-.02959	-.00465	.01330	-.02178	.01296	-.00650

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.854	1.34943	.09012	.07607	-.04757	-.04075	.11506	.08635	-.00013	-.00015	.00225
-.002	-3.866	1.35009	.08884	.07485	-.04681	-.04003	.11490	.08627	.00003	-.00027	.00230
	GRADIENT	-.05611	.10644	.10179	-.06296	-.05992	.01330	.00670	-.01358	.00952	-.00450

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2 (RC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-3.872	1.39966	.08429	.06965	-.04443	-.03730	.11771	.08788	.00162	-.00204	.00264
.000	-3.873	1.40003	.08423	.06963	-.04440	-.03728	.11772	.08800	.00170	-.00208	.00267
	GRADIENT	-.50000	.09375	.03125	-.06250	-.01563	-.03125	-.18750	-.12549	.05859	-.04102

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3 (RC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-3.921	1.24969	.10230	.09721	-.06065	-.05799	.09403	.08429	.00119	-.00150	.00216
-.001	-3.913	1.24984	.10293	.09783	-.06099	-.05836	.09420	.08437	.00115	-.00147	.00213
	GRADIENT	.01852	.07755	.07755	-.04306	-.04549	.02060	.01019	-.00533	.00324	-.00365

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3 (RC00H0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 459/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.912	1.40077	.09608	.08852	-.05870	-.05484	.10503	.09029	.00239	-.00252	.00273
-.002	-3.911	1.40001	.09663	.08905	-.05920	-.05531	.10510	.09041	.00233	-.00249	.00272
	GRADIENT	-1.00000	1.06250	1.03125	-.95313	-.92188	.12500	.21875	-.11133	.06641	-.02344

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RCOOH1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-3.855	1.54886	.07110	.06428	-.04153	-.03799	.10788	.09478	.00041	-.00061	.00113
-.001	-3.857	1.54841	.07130	.06438	-.04172	-.03814	.10784	.09452	.00011	-.00039	.00103
	GRADIENT	.50000	-.16667	-.08854	.16146	.11979	.02083	.21875	.25562	-.18453	.08285

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOOH2) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.056	.89947	-.00722	-.02468	.00202	.01003	.06410	.02663	.09916	-.06391	.03228
-4.005	-3.934	.89996	.13529	.12159	-.09829	-.09215	.05696	.02706	.08887	-.05786	.03148
-3.996	.002	.89974	.28443	.27295	-.20282	-.19770	.04971	.02451	.07890	-.05187	.03166
-4.002	4.065	.90006	.43658	.42713	-.30977	-.30581	.04261	.02095	.07103	-.04647	.02898
	GRADIENT	.00001	.03767	.03820	-.02644	-.02671	-.00179	-.00077	-.00223	.00142	-.00031

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0H3) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 773/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.082	1.04732	-.05076	-.06966	.04903	.05780	.09519	.05507	.09666	-.05989	.03432
-4.011	-3.965	1.05168	-.11655	.09935	-.07101	-.06303	.09120	.05466	.08361	-.05068	.03398
-4.012	.001	1.05008	.28327	.26854	-.19170	-.18487	.08465	.05334	.07196	-.04274	.03345
-3.998	4.079	1.04964	.44400	.43110	-.30800	-.30206	.07750	.04994	.06104	-.03572	.02971
	GRADIENT	-.00025	.04070	.04124	-.02946	-.02971	-.00170	-.00059	-.00280	.00186	-.00053

RUN NO. 775/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.040	1.04831	-.09367	-.10991	.08247	.09015	.09295	.05898	-.00054	.00006	.00229
-.002	-4.045	1.05187	.05807	.04213	-.02543	-.01779	.09073	.05779	.00350	-.00298	.00306
-.002	-.020	1.05054	.22895	.21441	-.14861	-.14169	.08500	.05476	.00508	-.00402	.00360
.000	4.092	1.04898	.39784	.38643	-.27274	-.26722	.07503	.05162	.00670	-.00555	.00519
	GRADIENT	-.00036	.04176	.04231	-.03039	-.03065	-.00193	-.00076	.00039	-.00032	.00026

RUN NO. 776/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.050	1.04788	-.07535	-.09446	.06307	.07208	.09517	.05511	-.10157	.06246	-.03208
3.995	-4.076	1.05023	.09602	.07808	-.05874	-.05019	.10214	.06492	-.09813	.06139	-.03420
3.993	-.001	1.05064	.26498	.24913	-.17911	-.17155	.10523	.07230	-.08932	.05627	-.03289
4.007	4.067	1.04954	.41368	.40061	-.28690	-.28075	.08794	.06049	-.06470	.03864	-.02530
	GRADIENT	-.00008	.03901	.03961	-.02802	-.02831	-.00174	-.00054	.00411	-.00279	.00109

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RCOOH4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.061	1.09893	-.10222	-.12320	.09829	.10828	.11506	.07145	-.00551	.00311	.00065
-.002	-4.042	1.10135	.04882	.02994	-.00986	-.00076	.10933	.07051	-.00143	-.00000	.00128
-.000	-.027	1.10030	.21542	.19693	-.12930	-.12035	.10577	.06788	.00136	-.00200	.00173
.001	4.075	1.09954	.37192	.35491	-.24383	-.23547	.09937	.06495	.00358	-.00356	.00240
	GRADIENT	-.00022	.03980	.04003	-.02882	-.02891	-.00123	-.00069	.00062	-.00044	.00014

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-1.049	1.25067	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
.001	-1.049	1.25021	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
-.002	-8.086	1.24981	-.06270	-.06834	.06100	.06369	.09936	.08765	-.00312	.00176	.00091
.001	-5.169	1.25019	.05821	.05319	-.02979	-.02725	.09710	.08720	.00030	-.00092	.00194
.001	-4.022	1.25007	.10778	.10288	-.06611	-.06357	.09680	.08737	.00127	-.00171	.00215
-.001	-.021	1.24971	.26903	.26404	-.18386	-.18121	.09693	.08756	.00395	-.00400	.00296
.001	3.964	1.24909	.40027	.39645	-.27636	-.27431	.09238	.08532	.00530	-.00499	.00361
	GRADIENT	-.00012	.03662	.03676	-.02633	-.02639	-.00055	-.00026	.00050	-.00041	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC00H6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO.		655/	0	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00/	5.00
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.076	1.29992	-.06024	-.06665	.05899	.06207	.10350	.09029	-.00465	.00321	.00049
.001	-4.032	1.29989	.10906	.10320	-.06809	-.06505	.10135	.09012	-.00097	.00030	.00172
-.000	-.020	1.30002	.26621	.26034	-.18333	-.18025	.10122	.09010	.00192	-.00215	.00242
-.001	3.968	1.30008	.39554	.39107	-.27446	-.27208	.09658	.08824	.00389	-.00366	.00319
	GRADIENT	.00002	.03581	.03598	-.02580	-.02588	-.00060	-.00023	.00061	-.00050	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC00H7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO.		656/	0	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00/	5.00
BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.088	1.35007	-.06516	-.07174	.06277	.06593	.10666	.09307	-.00285	.00197	.00062
.001	-4.048	1.35003	.10421	.09802	-.06554	-.06236	.10407	.09209	-.00010	-.00031	.00177
-.000	-.034	1.35004	.26068	.25463	-.18041	-.17724	.10363	.09214	.00228	-.00246	.00249
-.002	4.094	1.34950	.39666	.39164	-.27639	-.27376	.10011	.09052	.00474	-.00422	.00309
	GRADIENT	-.00006	.03590	.03605	-.02588	-.02595	-.00049	-.00019	.00059	-.00048	.00016

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC00H8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.077	1.40016	-.06603	-.07306	.06440	.06779	.11106	.09658	-.00165	.00057	.00102
.001	-4.857	1.39972	.06263	.05558	-.03475	-.03119	.10758	.09366	.00089	-.00141	.00202
-.001	-4.057	1.39962	.09655	.08962	-.06044	-.05691	.10739	.09385	.00167	-.00205	.00227
-.001	-.030	1.40025	.25601	.24931	-.17840	-.17493	.10625	.09337	.00308	-.00314	.00310
-.002	3.967	1.39915	.38884	.38302	-.27219	-.26918	.10341	.09218	.00458	-.00424	.00332
	GRADIENT	-.00004	.03709	.03722	-.02701	-.02707	-.00046	-.00017	.00040	-.00030	.00015

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC00H9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.984	1.54882	-.06507	-.07236	.06385	.06731	.11719	.10205	-.00316	.00200	.00041
-.000	-3.941	1.54973	.07287	.06561	-.04375	-.04009	.11100	.09663	-.00029	-.00041	.00095
.001	.066	1.54961	.22624	.21927	-.16033	-.15678	.10697	.09334	.00181	-.00219	.00209
.002	4.191	1.54788	.36674	.36084	-.26095	-.25793	.10335	.09188	.00205	-.00224	.00246
	GRADIENT	-.00023	.03613	.03630	-.02670	-.02678	-.00094	-.00058	.00029	-.00022	.00019

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (RCOAI0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 DB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	.600	-.00164	.10655	.09475	-.07462	-.06980	.04922	.02169	-.00082	.00067	.00114
-3.990	.600	.00033	.10661	.09442	-.07464	-.06962	.04932	.02107	-.00063	.00056	.00116
-4.008	.614	-.00157	.10755	.09655	-.07532	-.07082	.04943	.02380	-.00138	.00121	.00100
-4.035	.645	-.00162	.10998	.09964	-.07740	-.07323	.05027	.02594	-.00078	.00071	.00118
-4.068	.683	-.00152	.11019	.09953	-.07789	-.07353	.04965	.02479	-.00148	.00133	.00110
-3.936	.725	-.00144	.11434	.10357	-.08129	-.07686	.04979	.02482	-.00179	.00163	.00118
-3.968	.751	.00048	.11346	.10249	-.08098	-.07647	.04983	.02435	-.00243	.00208	.00105
-3.995	.785	-.00130	.11166	.10093	-.07971	-.07521	.05052	.02592	-.00258	.00219	.00111
-4.021	.806	.00059	.10921	.09806	-.07783	-.07314	.05096	.02547	-.00291	.00243	.00094
-4.028	.815	-.00132	.10814	.09690	-.07687	-.07211	.05126	.02567	-.00272	.00226	.00097
-4.038	.832	.00050	.10456	.09326	-.07418	-.06935	.05185	.02627	-.00207	.00168	.00099
-4.062	.863	-.00135	.09495	.08768	-.06688	-.06390	.05314	.03623	-.00112	.00069	.00125
-4.014	.947	-.00142	.08038	.07195	-.05307	-.04939	.06320	.04439	-.00159	.00111	.00080
-3.988	.916	-.00129	.09012	.07822	-.06172	-.05646	.05831	.03203	-.00179	.00137	.00066
-3.990	.919	-.00133	.08962	.07863	-.06129	-.05645	.05879	.03446	-.00152	.00121	.00070
-3.965	.902	.00042	.09222	.07849	-.06339	-.05725	.05674	.02674	-.00122	.00085	.00086
-3.989	.933	-.00134	.08649	.07418	-.05842	-.05290	.06078	.03392	-.00169	.00127	.00055
-4.000	.947	-.00129	.08031	.07050	-.05294	-.04861	.06321	.04149	-.00198	.00140	.00067
-4.005	.948	-.00134	.07884	.06862	-.05165	-.04712	.06402	.04151	-.00171	.00112	.00081
-3.956	.899	.00044	.09258	.08069	-.06375	-.05854	.05602	.02965	-.00125	.00084	.00093
-4.032	.970	-.00134	.06899	.05969	-.04270	-.03853	.06823	.04795	-.00148	.00104	.00075
-4.042	.979	-.00138	.06576	.05563	-.03956	-.03492	.06871	.04697	-.00126	.00081	.00088
-4.050	.987	.00025	.06540	.05662	-.03889	-.03492	.06846	.04943	-.00082	.00048	.00102
-4.080	1.002	.00027	.07255	.06462	-.04419	-.04059	.06738	.05022	-.00077	.00040	.00110
-4.091	1.019	-.00162	.07752	.06972	-.04674	-.04320	.07266	.05580	-.00026	.00053	.00188
-4.078	1.011	-.00155	.07856	.06831	-.04827	-.04356	.06979	.04786	-.00017	.00041	.00167
-4.106	1.042	-.00184	.06792	.05758	-.03405	-.02922	.08685	.06501	-.00120	.00131	.00231
-3.963	1.067	-.00037	.07284	.05173	-.03031	-.02019	.10553	.06193	-.00254	.00269	.00260
-3.995	1.088	-.00009	.05385	.03295	-.01309	-.00305	.11376	.07063	-.00079	.00119	.00220
-3.902	.976	-.00126	.07100	.05997	-.04356	-.03849	.06828	.04463	-.00114	.00070	.00087
-3.977	1.076	-.00198	.06709	.04690	-.02451	-.01484	.10994	.06817	-.00192	.00114	.00241
-3.974	1.080	-.00199	.06317	.04427	-.02078	-.01174	.11209	.07298	-.00179	.00198	.00242
-3.984	1.097	-.00172	.04938	.02968	-.00962	-.00018	.11211	.07138	-.00167	.00100	.00218
-3.969	1.103	-.00177	.05079	.03743	-.01094	-.00455	.11047	.08281	-.00114	.00136	.00230
-3.902	1.147	-.00180	.08189	.06833	-.03828	-.03181	.10395	.07581	-.00163	.00152	.00245
-4.024	1.151	-.00192	.07867	.06495	-.03610	-.02955	.10450	.07603	-.00161	.00145	.00260
-4.017	1.154	-.00183	.07909	.06532	-.03660	-.03001	.10475	.07623	-.00134	.00133	.00254
-4.000	1.154	-.00177	.08002	.06666	-.03726	-.03088	.10485	.07717	-.00112	.00114	.00245
-4.044	1.112	-.00147	.05663	.03907	-.01682	-.00845	.10634	.06985	-.00087	.00087	.00178
-4.017	1.217	-.00182	.08658	.07674	-.04254	-.03780	.11135	.09110	-.00194	.00178	.00247
-4.020	1.248	-.00198	.09312	.07988	-.04257	-.04257	.11149	.08408	-.00333	.00309	.00296
-4.020	1.255	-.00187	.09454	.08122	-.05002	-.04363	.11175	.08423	-.00273	.00256	.00279
-4.012	1.256	-.00175	.09553	.08198	-.05065	-.04414	.11210	.08416	-.00227	.00222	.00263

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RCOATO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.953	1.172	-.00188	.08465	.06521	-.04099	-.03166	.10597	.06584	.00188	-.00216	.00248
-4.012	1.280	-.00171	.09729	.08428	-.05328	-.04701	.11348	.08671	.00133	-.00116	.00265
-4.016	1.300	-.00185	.09734	.08379	-.05373	-.04720	.11509	.08719	.00176	-.00153	.00283
-4.004	1.299	-.00171	.09735	.08331	-.05364	-.04688	.11522	.08628	.00123	-.00111	.00267
-3.995	1.299	.00010	.09693	.08264	-.05315	-.04629	.11542	.08597	.00052	-.00056	.00241
-3.992	1.301	-.00154	.09699	.08289	-.05319	-.04641	.11560	.08655	.00038	-.00051	.00239
-3.993	1.310	-.00170	.09694	.08429	-.05328	-.04719	.11596	.08990	.00118	-.00118	.00259
	GRADIENT	-.00144	-.03480	-.04143	.05949	.06406	.12136	.11287	.00626	-.00571	.00310

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.986	1.305	.00016	.09617	.08175	-.05257	-.04562	.11576	.08611	.00045	-.00064	.00231
-3.968	1.295	-.00158	.09762	.08305	-.05346	-.04645	.11554	.08556	.00009	-.00028	.00223
-3.978	1.295	.00006	.09693	.08255	-.05308	-.04616	.11527	.08563	.00076	-.00077	.00244
-3.976	1.299	.00012	.09714	.08267	-.05308	-.04612	.11574	.08589	.00056	-.00065	.00233
-3.988	1.300	-.00166	.09665	.08209	-.05290	-.04590	.11553	.08554	.00055	-.00064	.00234
-3.988	1.300	-.00168	.09690	.08231	-.05308	-.04607	.11558	.08551	.00065	-.00074	.00237
-3.998	1.299	.00015	.09668	.08207	-.05281	-.04577	.11578	.08568	.00048	-.00061	.00231
-4.010	1.300	-.00169	.09606	.08142	-.05235	-.04531	.11580	.08561	.00081	-.00084	.00240
-4.012	1.299	.00162	.09554	.08087	-.05192	-.04486	.11570	.08563	.00050	-.00059	.00228
-4.026	1.302	.00011	.09541	.08087	-.05200	-.04500	.11563	.08565	.00084	-.00084	.00243
-4.020	1.300	-.00170	.09550	.08096	-.05206	-.04507	.11563	.08565	.00084	-.00084	.00243
-4.023	1.300	-.00162	.09540	.08087	-.05192	-.04493	.11564	.08571	.00046	-.00058	.00228
-4.024	1.300	-.00162	.09586	.08113	-.05224	-.04516	.11568	.08532	.00060	-.00070	.00234
-4.013	1.251	.00167	.09211	.07135	-.04849	-.03852	.11062	.06778	.00203	-.00204	.00263
-4.026	1.299	-.00180	.09528	.08211	-.05186	-.04550	.11570	.08864	.00129	-.00119	.00261
-4.014	1.346	-.00005	.09505	.08108	-.05296	-.04624	.11707	.08828	.00184	-.00158	.00247
-4.017	1.354	-.00181	.09354	.07915	-.05206	-.04514	.11753	.08785	.00215	-.00186	.00248
-4.011	1.349	-.00001	.09459	.08026	-.05274	-.04586	.11749	.08792	.00182	-.00158	.00248
-4.011	1.344	.00007	.09395	.08087	-.05202	-.04572	.11723	.09028	.00129	-.00117	.00239
-4.069	1.377	-.00015	.08995	.07566	-.05001	-.04315	.11838	.08890	.00253	-.00255	.00278
-4.073	1.386	-.00018	.08879	.07444	-.04933	-.04244	.11873	.08911	.00281	-.00265	.00292
-4.082	1.393	-.00188	.08617	.07163	-.04751	-.04052	.11918	.08914	.00246	-.00239	.00273
-4.086	1.402	-.00014	.08431	.06970	-.04612	-.03912	.11956	.08938	.00296	-.00288	.00278
-4.083	1.382	-.00023	.08960	.07328	-.05038	-.04245	.11870	.08498	.00264	-.00250	.00281
-3.913	1.210	-.00160	.07373	.06429	-.03023	-.02577	.09821	.07845	.00147	-.00122	.00165
-4.015	1.146	.00031	.04297	.01552	.00001	.01316	.12449	.06768	-.00054	-.00004	.00122
-4.017	1.164	-.00176	.03034	.01027	.00715	.01673	.11805	.07644	.00027	-.00066	.00154
-4.072	1.186	-.00151	.02981	.02420	-.00482	-.00231	.07925	.06696	-.00097	.00005	.00118
-4.107	1.422	-.00143	.07584	.05840	-.03858	-.03020	.12396	.08801	.00052	-.00140	.00180
-3.945	1.495	.00163	.06941	.05425	-.03619	-.02888	.12044	.08930	.00291	-.00267	.00258
-3.944	1.523	-.00172	.06552	.05108	-.03306	-.02608	.12136	.09169	.00358	-.00301	.00248
-3.921	1.514	-.00013	.06705	.05072	-.03407	-.02619	.12089	.08732	.00379	-.00323	.00257
-3.900	1.499	.00039	.07007	.05449	-.03637	-.02885	.12005	.08801	.00151	-.00152	.00189
-3.901	1.497	.00080	.07017	.05460	-.03661	-.02913	.11965	.08757	-.00063	.00005	.00119
-3.917	1.560	.00015	.06100	.04606	-.02783	-.02060	.12927	.09865	.00333	-.00292	.00225
-3.914	1.570	-.00152	.05918	.04355	-.01569	-.00816	.17144	.13932	.00280	-.00280	.00201
-3.901	1.548	.00028	.06226	.04636	-.00547	-.00220	.22140	.18872	.00266	-.00256	.00197
-3.890	1.540	-.00130	.06377	.04834	.00410	.01155	.26355	.23187	.00232	-.00229	.00180
-3.882	1.500	-.00089	.07070	.05618	.01252	.01950	.31554	.28564	-.00051	-.00026	.00108
-3.906	1.460	.00057	.07924	.06409	.01713	.02438	.35697	.32561	.00062	-.00163	.00165
GRADIENT		.00192	-.02471	-.02353	.04777	.04741	.24314	.24637	.00743	-.00637	.00015

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.986	.599	.00031	.10159	.08971	-.07122	-.06629	.04802	.02056	-.00027	.00054	.00142
-3.973	.599	-.00159	.10228	.09036	-.07169	-.06667	.04844	.02120	-.00028	.00052	.00138
-3.995	.625	-.00155	.10147	.09974	-.07143	-.07131	.04760	.04137	-.00052	.00071	.00133
-3.983	.622	.00037	.10356	.08617	-.07271	-.06515	.04801	.00915	-.00110	.00114	.00118
-4.010	.638	.00038	.10249	.09290	-.07216	-.06824	.04754	.02518	-.00089	.00101	.00123
-4.036	.665	-.00162	.10434	.09518	-.07369	-.06996	.04830	.02689	-.00030	.00063	.00145
-4.058	.687	.00042	.10360	.09397	-.07360	-.06969	.04817	.02562	-.00110	.00123	.00129
-4.024	.709	.00028	.10415	.09530	-.07422	-.07069	.04839	.02745	-.00056	.00094	.00158
-4.052	.730	-.00153	.10428	.09536	-.07454	-.07098	.04843	.02728	-.00141	.00132	.00148
-4.060	.748	.00040	.10462	.09519	-.07487	-.07100	.04852	.02661	-.00133	.00158	.00138
-4.086	.766	-.00150	.10347	.09413	-.07432	-.07050	.04884	.02707	-.00144	.00153	.00144
-4.106	.786	.00042	.10221	.09291	-.07341	-.06953	.04896	.02755	-.00161	.00166	.00133
-4.014	.800	.00040	.10300	.09118	-.07394	-.06885	.04895	.02235	-.00206	.00175	.00129
-4.017	.800	.00050	.10324	.09194	-.07415	-.06930	.04919	.02370	-.00190	.00207	.00117
-4.008	.798	-.00141	.10365	.09183	-.07431	-.06922	.04877	.02218	-.00165	.00175	.00127
-4.022	.812	.00044	.10222	.09282	-.07320	-.06923	.04940	.02798	-.00167	.00197	.00115
-4.020	.818	-.00144	.10128	.09065	-.07245	-.06791	.04961	.02556	-.00182	.00171	.00120
-4.040	.832	.00047	.09917	.09027	-.07059	-.06684	.05011	.02977	-.00074	.00175	.00102
-4.058	.860	-.00148	.09037	.08293	-.06371	-.06060	.05157	.03451	-.00096	.00074	.00145
-4.117	.906	.00035	.08028	.07553	-.05490	-.05309	.05542	.04383	-.00035	.00085	.00113
-3.975	.901	.00017	.08569	.07491	-.05886	-.05412	.05424	.03037	-.00093	.00041	.00134
-3.985	.901	.00035	.08543	.07420	-.05902	-.05408	.05415	.02928	-.00068	.00080	.00119
-3.985	.900	-.00147	.08557	.07458	-.05901	-.05416	.05411	.02982	-.00042	.00060	.00132
-3.972	.892	.00023	.08595	.07328	-.05950	-.05385	.05354	.02577	-.00112	.00036	.00142
-4.003	.921	.00025	.08231	.07592	-.05618	-.05352	.05649	.04176	-.00128	.00101	.00105
-3.999	.921	.00032	.08278	.07209	-.05643	-.05168	.05666	.03315	-.00097	.00117	.00095
-3.988	.909	.00021	.08461	.07140	-.05802	-.05211	.05531	.02646	-.00122	.00068	.00120
-4.017	.940	.00027	.07605	.06688	-.05054	-.04650	.05939	.03907	-.00079	.00101	.00094
-4.024	.940	.00027	.07512	.06525	-.04982	-.04542	.05924	.03758	-.00076	.00087	.00102
-4.016	.940	.00023	.07584	.06527	-.05028	-.04556	.05972	.03657	-.00079	.00075	.00105
-3.998	.928	-.00153	.08021	.06806	-.05425	-.04878	.05776	.03132	-.00119	.00072	.00111
-4.029	.950	.00029	.06889	.05856	-.04423	-.03962	.06127	.03865	-.00097	.00090	.00118
-4.036	.950	.00023	.06826	.05809	-.04393	-.03936	.06080	.03863	-.00078	.00075	.00123
-4.031	.950	-.00154	.06914	.05886	-.04445	-.03985	.06114	.03867	-.00103	.00057	.00131
-4.012	.942	.00021	.07500	.06317	-.04954	-.04421	.05979	.03403	-.00090	.00082	.00110
-4.046	.958	-.00154	.06383	.05439	-.03985	-.03563	.06219	.04159	-.00090	.00065	.00135
-4.053	.959	.00025	.06310	.05333	-.03934	-.03496	.06243	.04113	-.00103	.00073	.00134
-4.033	.952	.00012	.06742	.05578	-.04300	-.03774	.06169	.03646	-.00098	.00049	.00114
-4.075	.974	.00028	.05634	.04788	-.03326	-.02947	.06429	.04580	-.00098	.00073	.00114
-4.083	.979	.00017	.05639	.04800	-.03278	-.02899	.06430	.04546	-.00056	.00040	.00134
-4.085	.979	-.00153	.05538	.04665	-.03217	-.02817	.06423	.04546	-.00069	.00051	.00134
-4.053	.962	.00026	.06044	.04783	-.03701	-.03122	.06316	.03615	-.00086	.00066	.00137
-4.087	.993	.00009	.05847	.05223	-.03429	-.03154	.06375	.04993	-.00011	.00003	.00158

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.120	1.015	.00002	.06748	.06221	-.04042	-.03810	.06663	.05491	.00068	-.00072	.00193
-3.981	1.018	-.00016	.07324	.06500	-.04388	-.04012	.06886	.05109	.00118	-.00106	.00227
-3.980	1.016	-.00000	.07358	.06495	-.04436	-.04041	.06776	.04920	.00069	-.00070	.00207
-3.981	1.019	-.00009	.07328	.06498	-.04379	-.04000	.06928	.05146	.00096	-.00093	.00217
-3.978	1.024	-.00014	.07389	.06645	-.04307	-.03967	.07274	.05674	.00097	-.00094	.00233
-3.992	1.029	-.00186	.07157	.06040	-.04002	-.03476	.07647	.05304	.00144	-.00135	.00249
-4.007	1.049	-.00039	.06611	.05841	-.03093	-.02731	.08833	.07214	.00221	-.00211	.00268
	GRADIENT	.00060	-.11141	-.10812	.10131	.10118	.05848	.07070	.00291	-.00381	.00106

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RCOBI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7982/ 0 RN/L = 2.66

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	1.048	-0.0051	0.6609	0.4999	-0.03108	-0.02343	0.8786	0.5431	0.0268	-0.00242	0.00284
-4.000	1.042	-0.0032	0.6430	0.5029	-0.03113	-0.02445	0.8445	0.5539	0.0178	-0.00169	0.00265
-4.012	1.040	-0.0045	0.6357	0.5059	-0.03084	-0.02464	0.8390	0.5697	0.0220	-0.00203	0.00296
-3.999	1.064	-0.0058	0.6571	0.5891	-0.02609	-0.02289	1.0038	0.8613	0.0276	-0.00268	0.00286
-3.987	1.063	-0.0062	0.6697	0.4802	-0.02712	-0.01803	0.9991	0.6074	0.0287	-0.00273	0.00293
-4.000	1.059	-0.0051	0.6654	0.4771	-0.02817	-0.01913	0.9643	0.5757	0.0259	-0.00246	0.00286
-4.003	1.041	-0.0038	0.6480	0.4269	-0.03166	-0.02105	0.8380	0.3818	0.0183	-0.00166	0.00269
-4.014	1.078	-0.00217	0.5633	0.3766	-0.01563	-0.00666	1.0965	0.7116	0.0214	-0.00213	0.00260
-4.012	1.079	-0.0053	0.5560	0.3414	-0.01490	-0.00458	1.1007	0.6583	0.0228	-0.00223	0.00269
-4.007	1.080	-0.00219	0.5478	0.3339	-0.01432	-0.00404	1.1009	0.6597	0.0206	-0.00204	0.00259
-4.006	1.080	-0.0056	0.5487	0.3350	-0.01436	-0.00410	1.1019	0.6605	0.0219	-0.00217	0.00268
-4.004	1.080	-0.0045	0.5509	0.3363	-0.01447	-0.00418	1.1017	0.6582	0.0198	-0.00203	0.00261
-4.007	1.080	-0.0055	0.5507	0.3366	-0.01437	-0.00409	1.1043	0.6619	0.0210	-0.00208	0.00262
-4.008	1.080	-0.0047	0.5473	0.3337	-0.01431	-0.00406	1.1007	0.6595	0.0204	-0.00208	0.00258
-4.009	1.080	-0.0058	0.5407	0.3286	-0.01361	-0.00344	1.1053	0.6671	0.0233	-0.00225	0.00267
-4.001	1.080	-0.0054	0.5555	0.3412	-0.01480	-0.00451	1.1016	0.6592	0.0223	-0.00219	0.00263
-4.000	1.075	-0.0058	0.5922	0.3706	-0.00758	-0.00758	1.0874	0.6294	0.0252	-0.00246	0.00269
-3.943	1.011	-0.0005	0.7342	0.6656	-0.0487	-0.0184	0.6487	0.4970	0.0104	-0.00096	0.00197
-3.939	1.069	-0.00231	0.6725	0.5231	-0.01878	-0.01878	1.0409	0.7386	0.00366	-0.00315	0.00302
-3.925	1.079	-0.00219	0.5942	0.3857	-0.01750	-0.00751	1.1032	0.6722	0.00356	-0.00246	0.00273
-3.930	1.100	-0.00196	0.4511	0.2635	-0.00595	-0.00305	1.0946	0.7070	0.0173	-0.00170	0.00253
-3.843	1.162	-0.0051	0.8045	0.6869	-0.03677	-0.03113	1.0453	0.8021	0.0260	-0.00227	0.00288
-4.004	1.101	-0.00181	0.4440	0.2572	-0.00644	-0.00248	1.0735	0.6860	0.0172	-0.00209	0.00242
-3.996	1.100	-0.00184	0.4491	0.2614	-0.00662	-0.00234	1.0761	0.6869	0.0173	-0.00207	0.00241
-3.979	1.089	-0.0011	0.4490	0.2439	-0.00667	-0.00316	1.1040	0.6800	0.0093	-0.00124	0.00231
-3.974	1.087	-0.00184	0.4657	0.2591	-0.00803	-0.00186	1.1043	0.6764	0.0095	-0.00124	0.00229
-3.957	1.080	-0.00182	0.5473	0.3264	-0.01423	-0.00366	1.1012	0.6439	0.0096	-0.00136	0.00225
-3.965	1.081	-0.0010	0.4970	0.2902	-0.01041	-0.00052	1.1023	0.6743	0.0078	-0.00096	0.00224
-3.972	1.083	-0.0024	0.4786	0.2714	-0.00935	-0.00056	1.0975	0.6681	0.0150	-0.00157	0.00248
-3.935	1.137	-0.0010	0.7168	0.5840	-0.03018	-0.02388	1.0203	0.7433	0.0136	-0.00142	0.00222
-3.935	1.147	-0.00179	0.7366	0.6022	-0.03180	-0.02539	1.0325	0.7532	0.0110	-0.00110	0.00235
-3.934	1.150	-0.0018	0.7490	0.6109	-0.03276	-0.02617	1.0375	0.7510	0.0130	-0.00120	0.00253
-3.930	1.150	-0.00185	0.7527	0.6137	-0.03300	-0.02637	1.0390	0.7507	0.0129	-0.00119	0.00256
-3.923	1.133	-0.00174	0.7114	0.5443	-0.02958	-0.02160	1.0199	0.6733	0.0123	-0.00136	0.00212
-3.920	1.027	-0.00004	0.7382	0.4608	-0.04182	-0.02860	0.7594	0.1834	0.0111	-0.00135	0.00227
-3.880	.986	-0.00028	0.6237	0.5183	-0.03711	-0.03235	0.6380	0.4092	0.0131	-0.00090	0.00102
-4.083	1.006	-0.0032	0.6288	0.5792	-0.03769	-0.03563	0.6304	0.5161	0.0086	-0.00049	0.00126
-4.065	1.092	-0.0177	0.3665	0.2277	-0.00191	-0.00474	1.0591	0.7724	0.0065	-0.00110	0.00229
-4.008	1.151	-0.00185	0.6927	0.5704	-0.02794	-0.02213	1.0430	0.7882	0.0164	-0.00160	0.00234
-4.016	1.185	-0.0020	0.6784	0.6784	-0.03653	-0.03107	1.0706	0.8337	0.0216	-0.00234	0.00267
-4.012	1.198	-0.0022	0.8101	0.6832	-0.03778	-0.03169	1.0948	0.8327	0.0192	-0.00202	0.00255
-4.051	1.246	-0.00185	0.8347	0.7043	-0.04028	-0.03403	1.1216	0.8516	0.0215	-0.00217	0.00270
-4.042	1.250	-0.00014	0.8497	0.7157	-0.04137	-0.03495	1.1234	0.8467	0.0236	-0.00222	0.00277

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOC11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.038	1.251	.00190	.08528	.07145	-.04169	-.03507	.11218	.08357	.00251	-.00231	.00281
-4.037	1.236	.00013	.08348	.06796	-.03990	-.03247	.11285	.08078	.00217	-.00210	.00273
-4.030	1.227	.00185	.08272	.06806	-.03890	-.03188	.11308	.08272	.00193	-.00190	.00250
-4.029	1.228	.00003	.08306	.06875	-.03932	-.03247	.11289	.08326	.00172	-.00174	.00248
-4.045	1.253	.00184	.08456	.07166	-.04110	-.03494	.11281	.08610	.00197	-.00193	.00264
-4.046	1.263	.00006	.08625	.07292	-.04285	-.03647	.11288	.08527	.00160	-.00157	.00256
-4.048	1.272	.00174	.08703	.07384	-.04373	-.03741	.11342	.08616	.00096	-.00090	.00247
-4.046	1.280	.00006	.08788	.07438	-.04440	-.03791	.11416	.08630	.00001	-.00007	.00237
-4.043	1.294	.00005	.08859	.07591	-.04528	-.03920	.11501	.08800	.00004	-.00007	.00240
-4.054	1.307	.00002	.08841	.07493	-.04529	-.03883	.11566	.08780	.00029	-.00031	.00243
-4.046	1.311	.00004	.08892	.07514	-.04581	-.03919	.11558	.08717	.00057	-.00051	.00250
-4.061	1.321	.00007	.08822	.07517	-.04567	-.03940	.11569	.08873	.00117	-.00105	.00254
-4.043	1.327	.00018	.08819	.07401	-.04588	-.03906	.11593	.08668	.00164	-.00137	.00258
-4.038	1.326	.00187	.08870	.07444	-.04625	-.03939	.11579	.08637	.00167	-.00141	.00261
-4.043	1.332	.00014	.08932	.07559	-.04688	-.04028	.11623	.08788	.00167	-.00140	.00262
-4.047	1.342	.00021	.08884	.07519	-.04694	-.04037	.11647	.08831	.00185	-.00141	.00265
-4.047	1.346	.00196	.08914	.07538	-.04729	-.04069	.11668	.08831	.00222	-.00169	.00279
-4.042	1.362	.00014	.08668	.07321	-.04576	-.03927	.11801	.09026	.00307	-.00252	.00284
-4.043	1.354	.00181	.08778	.07313	-.04628	-.03923	.11771	.08750	.00247	-.00188	.00270
-4.039	1.356	.00013	.08757	.07384	-.04626	-.03966	.11765	.08935	.00234	-.00191	.00275
-4.043	1.362	.00020	.08625	.07183	-.04545	-.03853	.11803	.08826	.00332	-.00270	.00295
-4.057	1.367	.00013	.08524	.07087	-.04491	-.03801	.11804	.08836	.00313	-.00273	.00291
-4.106	1.376	.00023	.08410	.06999	-.04431	-.03754	.11834	.08919	.00350	-.00309	.00310
-3.990	1.382	.00185	.08815	.07394	-.04753	-.04071	.11855	.08922	.00318	-.00285	.00308
-3.986	1.390	.00019	.08779	.07362	-.04746	-.04065	.11902	.08980	.00314	-.00287	.00314
-3.988	1.407	.00208	.08402	.07117	-.04486	-.03869	.11932	.09282	.00367	-.00321	.00313
-3.993	1.404	.00033	.08397	.06934	-.04473	-.03773	.11954	.08928	.00339	-.00308	.00310
-4.002	1.388	.00045	.08676	.07009	-.04714	-.03914	.11940	.08500	.00328	-.00285	.00311
-3.974	1.278	.00228	.09855	.07723	-.06638	-.05610	.08783	.04397	.00464	-.00384	.00305
-3.955	1.360	.00026	.08839	.07520	-.04757	-.04117	.11913	.09220	.00315	-.00279	.00320
-4.018	1.381	.00049	.08815	.07315	-.04824	-.04102	.11888	.08801	.00259	-.00240	.00288
-4.036	1.378	.00021	.08785	.07233	-.04773	-.04027	.11912	.08713	.00291	-.00263	.00293
-4.041	1.393	.00019	.08070	.07073	-.04627	-.03904	.12016	.08923	.00308	-.00299	.00286
-4.046	1.402	.00021	.08070	.06518	-.04255	-.03507	.12139	.08948	.00344	-.00370	.00306
-4.056	1.410	.00186	.07290	.05616	-.03497	-.02691	.12432	.08986	.00186	-.00233	.00252
-4.048	1.415	.00003	.07346	.05704	-.03520	-.02732	.12438	.09053	.00186	-.00220	.00236
-4.048	1.421	.00160	.07495	.05818	-.03640	-.02835	.12470	.09012	.00187	-.00248	.00239
-4.049	1.419	.00020	.07556	.05970	-.03736	-.02975	.12425	.09122	.00133	-.00213	.00218
-4.048	1.421	.00024	.07603	.06005	-.03750	-.02983	.12571	.09327	.00042	-.00122	.00193
-4.046	1.432	.00055	.07489	.05919	-.03646	-.02894	.12511	.09335	-.00015	-.00055	.00166
-4.046	1.448	.00056	.07204	.05720	-.03557	-.02845	.12403	.09353	-.00016	-.00052	.00169
-4.045	1.456	.00054	.07060	.05598	-.03451	-.02750	.12372	.09132	-.00126	-.00016	.00124
-4.053	1.463	.00071	.06699	.05251	-.03294	-.02598	.12117	.09132	-.00126	-.00016	.00124

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RCODI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.048	1.468	.00082	.06757	.05329	-.03307	-.02621	.12253	.09307	-.00164	.00057	.00106
-4.050	1.472	-.00085	.06656	.05216	-.03235	-.02543	.12224	.09252	-.00181	.00071	.00038
-4.022	1.478	.00076	.06580	.05141	-.03177	-.02486	.12188	.09218	-.00158	.00060	.00109
-3.885	1.484	.00068	.07078	.05665	-.03570	-.02890	.12119	.09207	-.00145	.00061	.00120
-3.872	1.528	-.00167	.06426	.05151	-.03098	-.02484	.12123	.09499	-.00289	-.00249	.00235
-3.872	1.542	-.00004	.06262	.04777	-.02996	-.02281	.12164	.09105	-.00284	-.00252	.00237
-3.863	1.550	-.00153	.06206	.04688	-.02964	-.02232	.12176	.09051	-.00250	-.00233	.00227
	GRADIENT	.00283	-.08656	-.08851	.05017	.05119	.04816	.04444	-.00381	.00125	-.00320

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCODI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7984/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.858	1.549	.00002	.06254	.04695	-.02988	-.02237	.12186	.08979	.00254	-.00237	.00226
-3.866	1.549	-.00157	.06255	.04694	-.02992	-.02240	.12171	.08959	.00257	-.00241	.00227
-3.865	1.549	-.00002	.06204	.04634	-.02952	-.02195	.12181	.08949	.00251	-.00230	.00225
-3.870	1.549	.00003	.06170	.04601	-.02933	-.02177	.12180	.08949	.00253	-.00235	.00227
-3.868	1.549	-.00002	.06197	.04630	-.02951	-.02197	.12178	.08952	.00267	-.00246	.00230
-3.862	1.549	.00004	.06220	.04651	-.02967	-.02213	.12176	.08942	.00251	-.00234	.00225
-3.864	1.519	.00051	.06603	.05131	-.03263	-.02555	.12016	.08983	-.00055	.00008	.00132
-3.850	1.504	.00046	.06982	.05553	-.03533	-.02845	.11943	.08999	-.00095	.00032	.00127
-3.861	1.492	.00049	.06979	.05564	-.03542	-.02862	.11886	.08973	-.00123	.00044	.00130
-3.849	1.480	.00048	.07346	.05909	-.03801	-.03110	.11998	.09037	-.00055	-.00019	.00149
-3.887	1.464	.00040	.07529	.06045	-.03878	-.03166	.12121	.09054	-.00025	-.00068	.00162
	GRADIENT	-.01023	-.15430	-.17111	.11165	.11993	.02369	-.01017	.04615	-.03189	.01163

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0001) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ. FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0300	
XMRP	=	976.0000	IN. XT
YMRP	=	,0000	IN. YT
ZMRP	=	400.0000	IN. ZT
MACH	=	.600	
IB-ELV	=	-10.000	
IEABUX	=	.	.000
OB-ELV	=		9.000

PARAMETRIC DATA

RUN NO.	324/ 0	RN/L =	2.51	GRADIENT	INTERVAL =	-5.00/	5.00	CTW
ALPHA	MACH	PHI		CHEI	CHEO	CNW	CBW	
-8.436	.59881	-153.43920		.01407	.00349	-.02720	-.00101	-.00946
-4.228	.60055	-135.63180		.00906	.00429	.01662	.00674	.00103
-.140	.60085	-91.02914		.00510	.00253	.05875	.01438	.01113
4.116	.60051	-44.14271		.00276	-.00557	.10687	.02320	.02177
GRADIENT	-.00001	10.96569		-.00075	-.00119	.01082	.00197	.00249
RUN NO.	325/ 0	RN/L =	2.51	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA	MACH	PHI		CHEI	CHEO	CNW	CBW	CTW
-8.382	.59398	-.00678		.02091	.00850	-.03091	-.00174	-.01139
-4.203	.60052	-.00688		.01771	.00717	.01704	.00676	.00072
-.023	.60103	-.00690		.01578	.00354	.06617	.01551	.01324
4.150	.60069	.03259		.01440	-.00629	.11658	.02481	.02523
GRADIENT	.00002	.00472		-.00040	-.00161	.01191	.00216	.00293
RUN NO.	326/ 0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA	MACH	PHI		CHEI	CHEO	CNW	CBW	CTW
-8.434	.60186	153.47390		.03308	-.00904	-.02882	-.00175	-.01083
-4.210	.59762	135.71680		.02931	.00586	.02661	.00814	.00290
-.043	.59998	89.88269		.02593	.00031	.08026	.01782	.01636
4.118	.59949	44.17507		.02230	-.01036	.13210	.02769	.02873
GRADIENT	.00022	-10.93253		-.00084	-.00195	.01267	.00235	.00310

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0002) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
				MACH	=	.800		IEABOX = .0000
				IB-ELV	=	10.000		OB-ELV = 9.0000

PARAMETRIC DATA

RUN NO.	331/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
	-4.137	-8.568	.79952	-152.95830	-.01205	-.00069	-.01805	-.00074	-.01086
	-4.211	-4.281	.80045	-135.15440	-.01249	.00173	.02729	.00739	.00038
	-4.285	-.053	.80038	-89.99645	-.01140	.00232	.07296	.01550	.01130
	-4.220	4.164	.79966	-45.01728	-.00833	-.00282	.12586	.02512	.02310
		GRADIENT	-.00009	10.67343	.00049	-.00054	.01167	.00210	.00269

RUN NO.	332/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
	.002	-8.482	.79989	-.00676	.00403	-.00720	-.02580	-.00196	-.01252
	.001	-4.208	.80047	-.00687	.00474	.00746	.02571	.00715	.00068
	-.000	-.008	.79998	-.00689	.00566	.00538	.07851	.01642	.01399
	.002	4.251	.79922	.03262	.00816	-.00180	.13597	.02697	.02765
		GRADIENT	-.00015	.00468	.00040	-.00110	.01304	.00234	.00319

RUN NO.	333/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/
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	BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
	4.132	-8.562	.79954	153.03310	.02022		-.02139	-.00156	-.01122
	4.206	-4.276	.80027	135.31880	.01955		.03822	.00357	
	4.285	-.054	.79991	90.31970	.01991		.09597	.01917	.01819
	4.217	4.154	.79981	45.08975	.01991		.15471	.02998	.03171
		GRADIENT	-.00005	-10.70397	.00004		.01382	.00250	.00334

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0003) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 343/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.136	-8.632	.89961	-152.67740	-.01761	.00254	-.02633	-.00341	-.01021
-4.213	-4.308	.89996	-134.83590	-.01617	.00813	.02093	.00535	.00041
-4.286	-.011	.89993	-89.40068	-.02187	.00825	.07052	.01443	.01070
-4.214	4.225	.89982	-44.97787	-.02033	-.00071	.12556	.02417	.02210
	GRADIENT	-.00002	10.53014	-.00049	-.00103	.01226	.00221	.00254

RUN NO. 344/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.008	-8.636	.89966	-179.93360	.00996	.00135	-.03790	-.00518	-.01196
-.009	-4.865	.90029	-179.89390	.00966	.00486	.01283	.00401	-.00029
-.008	-4.237	.90026	-179.89380	.00837	.00487	.02128	.00543	.00168
-.012	.017	.89987	-.79848	.00267	.01098	.07916	.01602	.01451
-.010	4.294	.89957	-.12522	.00973	-.00107	.13697	.02582	.02723
	GRADIENT	-.00008	22.18040	-.00008	-.00046	.01356	.00239	.00300

RUN NO. 345/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.137	-8.628	.89994	152.75330	.02448	.00138	-.02856	-.00353	-.01123
4.207	-4.307	.90000	135.07990	.02548	.00796	.03579	.00784	.00415
4.286	-.006	.90021	89.72379	.02628	.01216	.10349	.01981	.01929
4.221	4.226	.89975	45.12927	.02656	-.00772	.15977	.02905	.03121
	GRADIENT	-.00003	-10.54105	.00013	-.00183	.01453	.00249	.00317

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0004) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 349/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.143	-8.651	.94924	-152.51790	-.02785	-.00707	-.03059	-.01021
-4.210	-4.332	.95005	-134.83570	-.02047	-.00726	.01987	.00036
-4.286	.021	.95040	-89.16237	-.02315	-.00881	.06768	.01028
-4.213	4.242	.94976	-45.01775	-.02625	-.01955	.12471	.02041
	GRADIENT	-.00003	10.47525	-.00067	-.00143	.01222	.00234

RUN NO. 350/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
.002	-8.657	.94998	-.00675	.00040	.00039	-.01128	-.01255
-.001	-4.242	.95019	.03267	.00338	-.00040	.01745	.00060
.000	.033	.94962	.03269	-.00383	-.00040	.07739	.01354
.002	4.280	.94950	.03263	-.00460	-.02119	.13935	.02572
	GRADIENT	-.00008	-.00000	-.00094	-.00244	.01430	.00295

RUN NO. 351/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
4.136	-8.657	.94971	152.63290	.01557	-.00014	-.03028	-.01123
4.206	-4.333	.95029	135.00020	.01622	.00312	.03513	.00390
4.285	.035	.95044	89.36623	.01083	-.00071	.10524	.01869
4.216	4.230	.94942	45.16945	.01086	-.02521	.16221	.02988
	GRADIENT	-.00010	-10.48995	-.00063	-.00329	.01485	.00304

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0005) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 355/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.145	-8.648	1.04999	-151.95700	-0.1453	.00447	-0.04802	-0.00675
-4.211	-4.367	1.05078	-134.59680	-0.02529	.00444	.00471	.00290
-4.295	-0.016	1.05032	-90.19505	-0.02426	.00118	.05952	.01273
-4.217	4.313	1.04987	-45.17670	-0.02994	-0.1102	.12081	.02397
GRADIENT		-0.00010	10.30132	-0.00054	-0.00178	.01338	.00243
RUN NO. 356/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-0.003	-8.728	1.04902	.03254	.01674	.00790	-0.04731	-0.01147
.000	-4.237	1.05178	-0.00690	.00572	.00926	.01767	.00543
-0.001	.069	1.05131	-0.00688	-0.00185	.00396	.08692	.01623
-0.002	4.324	1.04910	-0.00678	-0.00000	-0.01639	.14636	.02810
GRADIENT		-0.00031	.00001	-0.00067	-0.00299	.01503	.00285
RUN NO. 360/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
4.144	-8.611	1.05004	151.95310	.02673	.00892	-0.02702	-0.01014
4.210	-4.353	1.05024	134.72180	.01104	.01025	.04856	.00572
4.299	-0.008	1.05049	90.63754	-0.00237	-0.01120	.12711	.01906
4.217	4.305	1.04960	45.36838	.01226	-0.03477	.18210	.03054
GRADIENT		-0.00007	-10.32002	.00014	-0.00520	.01543	.00287

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0006) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 364/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.146	-8.643	1.09811	-151.91710	.01767	.00716	-.05438	-.00753	-.00924
-4.215	-4.361	1.10059	-134.51740	-.00045	.00799	-.00168	.00210	.00107
-4.297	-.010	1.10015	-90.27449	-.01038	.00502	.05408	.01211	.01179
-4.219	4.327	1.09973	-45.17658	-.02606	-.01325	.11484	.02330	.02138
	GRADIENT	-.00010	10.28318	-.00295	-.00244	.01341	.00244	.00234

RUN NO. 365/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.731	1.09923	-.00676	.04957	.00902	-.05126	-.00689	-.01035
.001	-5.127	1.10084	-.00687	.03428	.01003	.00038	.00259	.00051
-.001	-4.239	1.10017	.03266	.03170	.00949	.01289	.00482	.00345
.000	.078	1.09990	.03269	.02287	.00335	.08137	.01728	.01653
-.001	4.339	1.09938	-.00682	.00137	-.02313	.14293	.02795	.02628
	GRADIENT	-.00009	-.00459	-.00353	-.00380	.01516	.00270	.00266

RUN NO. 366/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.145	-8.635	1.09734	151.91320	.06239	.00871	-.03388	-.00441	-.00979
4.212	-4.368	1.10096	134.60250	.04293	.01066	.04125	.00907	.00559
4.296	-.008	1.10063	90.35944	.02127	-.01140	.11941	.02298	.01852
4.218	4.320	1.10001	45.24887	.00228	-.03970	.17821	.03292	.02884
	GRADIENT	-.00011	-10.28460	-.00468	-.00580	.01577	.00275	.00268

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(SC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 370/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.147	-8.717	1.14834	-151.95740	.01607	.00623	-.05076	-.00732	-.00868
-4.216	-4.375	1.15065	-134.59710	.00493	.01059	.00598	.00295	.00257
-4.297	-.003	1.15076	-90.39365	-.00511	.00544	.06553	.01403	.01283
-4.217	4.335	1.14987	-45.25632	-.02069	-.01951	.12073	.02401	.02176
	GRADIENT	-.00009	10.25773	-.00294	-.00345	.01318	.00242	.00220

RUN NO. 371/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.765	1.14906	-.00677	.04962	.00638	-.04839	-.00683	-.00991
.000	-4.385	1.15124	-.00689	.03695	.01241	.02036	.00581	.00367
.000	.097	1.15091	.03269	.02963	-.00742	.09270	.01907	.01601
.002	4.325	1.14973	.03266	.00942	-.03573	.14971	.02885	.02552
	GRADIENT	-.00017	.00458	-.00315	-.00552	.01486	.00265	.00251

RUN NO. 372/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.146	-8.713	1.14830	151.95340	.06545	.00861	-.03069	-.00432	-.00959
4.209	-4.378	1.14987	134.68190	.04823	.00354	.05411	.01136	.00470
4.295	-.002	1.15067	90.59782	.02976	-.02687	.12715	.02413	.01713
4.216	4.326	1.14956	45.32865	.00803	-.05426	.18507	.03377	.02750
	GRADIENT	-.00003	-10.26499	-.00462	-.00664	.01505	.00258	.00262

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0008) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 376/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.144	-8.820	1.24942	-151.99700	.03296	.00526	-.04769	-.00724	-.00707
-4.216	-4.383	1.25061	-134.43780	.01971	.00954	.01476	.00466	.00276
-4.297	-.009	1.25019	-90.39365	.00753	-.00940	.07176	.01519	.01211
-4.218	4.354	1.24965	-45.25626	-.00515	-.03462	.12596	.02456	.02099
	GRADIENT	-.00011	10.20713	-.00285	-.00505	.01273	.00228	.00209

RUN NO. 377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.801	1.24937	-.00678	.05663	.00904	-.04083	-.00601	-.00890
.000	-4.245	1.25003	-.00689	.04437	-.00563	.03504	.00844	.00273
-.001	.067	1.24985	-.00688	.03726	-.02984	.10212	.02026	.01435
.001	4.349	1.24987	.03269	.02073	-.05437	.15428	.02907	.02409
	GRADIENT	-.00002	.00460	-.00275	-.00567	.01388	.00240	.00249

RUN NO. 378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.144	-8.803	1.24928	151.99310	.06594	.00225	-.02240	-.00301	-.01159
4.212	-4.396	1.24990	134.60250	.05210	-.02450	.05879	.01175	.00019
4.295	-.001	1.25029	90.67727	.03666	-.05062	.13288	.02436	.01327
4.219	4.335	1.24948	45.40807	.01624	-.06573	.18414	.03285	.02413
	GRADIENT	-.00005	-10.21491	-.00410	-.00473	.01436	.00242	.00274

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0009) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 503/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.250		IEABOX = .000	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	
-3.913	-7.715	1.24903	-150.40610	.03733	.02458	-.02983	-.00610	-.00364	
-3.881	-3.931	1.25006	-133.97690	.02902	.02688	.02412	.00435	.00491	
-3.820	-.020	1.24974	-90.23463	.02160	.00818	.07477	.01387	.01341	
-3.869	3.842	1.24934	-45.75786	.01149	-.01739	.12465	.02258	.02179	
	GRADIENT	-.00009	11.34889	-.00225	-.00569	.01293	.00235	.00217	
RUN NO. 504/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	
-.002	-7.821	1.24909	.03261	.06058	.02805	-.02124	-.00442	-.00488	
.001	-4.978	1.24861	-.00687	.05311	.01893	.02483	.00446	.00232	
.001	-3.951	1.24879	.03266	.05075	.01445	.04173	.00758	.00508	
-.000	-.068	1.25080	.03269	.04539	-.01025	.10161	.01825	.01541	
.001	3.834	1.25052	.03269	.03142	-.03495	.15014	.02658	.02444	
	GRADIENT	.00025	.00301	-.00236	-.00619	.01427	.00252	.00252	
RUN NO. 505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00									
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	
3.901	-7.721	1.24976	150.56180	.06930	.01540	-.00177	-.00125	-.00745	
3.883	-3.937	1.24963	134.06240	.05872	-.00718	.06559	.01104	.00318	
3.818	-.025	1.25046	90.79598	.04701	-.02976	.12920	.02207	.01475	
3.870	3.837	1.24995	45.90972	.02787	-.05171	.17744	.03033	.02409	
	GRADIENT	.00004	-11.33842	-.00397	-.00573	.01439	.00248	.00269	

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0010) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.703	1.29975	-150.28610	.04398	.03110	-.02400	-.00528	-.00316
-3.882	-3.926	1.29986	-133.73820	.03510	.01614	.02860	.00504	.00476
-3.821	-.017	1.30022	-90.07586	.02691	-.00228	.07983	.01466	.01287
-3.864	3.844	1.29970	-45.71845	.01575	-.02544	.12516	.02249	.02112
	GRADIENT	-.00002	11.32871	-.00249	-.00535	.01243	.00225	.00211

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.777	1.29996	-.00678	.05982	.02156	-.01489	-.00328	-.00537
-.001	-3.958	1.30001	.03266	.05063	.00151	.04561	.00807	.00393
-.000	-.054	1.29984	.03269	.04132	-.02005	.10487	.01857	.01390
.001	3.823	1.29994	.03268	.03006	-.04249	.15213	.02658	.02313
	GRADIENT	-.00001	.00000	-.00264	-.00565	.01369	.00238	.00247

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.901	-7.723	1.30122	150.48190	.06765	.00611	-.00085	-.00150	-.00834
3.879	-3.924	1.30046	133.90300	.05630	-.01689	.06349	.01046	.00120
3.825	-.025	1.30031	90.71658	.03969	-.03834	.12837	.02175	.01232
3.868	3.832	1.29895	45.98938	.01736	-.05721	.17704	.02995	.02205
	GRADIENT	-.00020	-11.33321	-.00502	-.00520	.01464	.00251	.00269

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0011) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 511/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.916	-7.720	1.34919	-150.24650	.04792	.02664	-.01982	-.00459	-.00362
-3.883	-3.931	1.34999	-133.57910	.03696	.00575	.03140	.00541	.00338
-3.824	-.013	1.34978	-89.83767	.02918	-.01129	.08125	.01471	.01195
-3.867	3.834	1.34966	-45.79774	.01245	-.03008	.12582	.02244	.02049
	GRADIENT	-.00004	11.30494	-.00315	-.00461	.01216	.00219	.00220

RUN NO. 512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.817	1.34959	.03263	.06014	.01542	-.01243	-.00301	-.00632
-.001	-3.960	1.35002	.03267	.05027	-.00716	.04773	.00819	.00281
-.000	-.058	1.35006	.03269	.03576	-.02522	.10615	.01847	.01260
.001	3.828	1.34967	.03270	.02387	-.04631	.15310	.02632	.02195
	GRADIENT	-.00005	.00000	-.00339	-.00503	.01353	.00233	.00246

RUN NO. 513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.904	-7.709	1.35014	150.36240	.06567	-.00402	.00106	-.00140	-.00881
3.887	-3.935	1.34908	133.82390	.05076	-.02628	.06323	.01009	-.00028
3.818	-.024	1.34934	90.59746	.02946	-.04138	.12494	.02099	.01005
3.872	3.842	1.35015	45.94937	.00417	-.05855	.17357	.02911	.02003
	GRADIENT	.00014	-11.29916	-.00599	-.00415	.01419	.00245	.00261

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSM,PLU. OFF (SC0012) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.909	-7.716	1.40024	-150.16570	.04865	.02022	-.01866	-.00428	-.00404
-3.886	-3.925	1.39863	-133.34050	.03712	-.00019	.03237	.00545	.00310
-3.822	-.012	1.40075	-89.59950	.02578	-.01633	.08280	.01486	.01132
-3.870	3.843	1.39988	-45.79757	.01396	-.03403	.12513	.02211	.01965
	GRADIENT	.00016	11.27018	-.00298	-.00436	.01194	.00215	.00213

RUN NO. 515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.797	1.39983	-.00679	.05729	.00617	-.00946	-.00280	-.00676
-.002	-4.688	1.39965	.03265	.04644	-.01393	.03682	.00587	-.00046
-.001	-3.963	1.39941	.03266	.04345	-.01757	.04846	.00800	.00123
-.000	-.054	1.40036	.03269	.02652	-.03350	.10643	.01823	.01074
.001	3.826	1.39975	.03270	.01277	-.05016	.15252	.02590	.02019
	GRADIENT	.00004	.00001	-.00399	-.00422	.01365	.00236	.00243

RUN NO. 516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.906	-7.707	1.39963	150.28260	.06172	-.01108	.00211	-.00148	-.00913
3.880	-3.936	1.39988	133.74390	.04232	-.03263	.05866	.00894	-.00204
3.821	-.023	1.40029	90.43864	.01735	-.04517	.12267	.02031	.00778
3.869	3.834	1.39983	45.98930	-.00840	-.05950	.17171	.02849	.01816
	GRADIENT	-.00001	-11.29432	-.00653	-.00346	.01456	.00252	.00260

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSM, PLU. OFF (SC0013) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.400						IEABOX = .0000
IB-ELV	=	10.000						OB-ELV = -5.0000

PARAMETRIC DATA

RUN NO.	557/ O	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00/	5.00	
ALPHA		MACH		PHI	CHEI	CHEO		CNW	CBW	CTW
-7.703		1.39946		-150.04620	.05513	.07380		-.03319	-.00765	-.00301
-3.908		1.40035		-133.10150	.04216	.05622		.01869	.00232	.00419
-.007		1.40030		-89.16286	.02868	.04035		.07002	.01196	.01234
3.851		1.39984		-45.55902	.01853	.01870		.11296	.01947	.02052
GRADIENT		-.00007		11.28141	-.00305	-.00483		.01215	.00221	.00210

RUN NO.	558/ O	RN/L	= 2.50	GRADIENT	INTERVAL	= -5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-7.753	1.39969	.03262	.06239	.06305	-.02289	-.00588	-.00557
-3.911	1.40009	.03266	.04596	.04062	.03604	.00509	.00253
-.043	1.39974	.03269	.02938	.02400	.01527	.01188	.01188
3.865	1.39953	.03270	.01541	.00493	.14043	.02320	.02119
GRADIENT	- .00007	.00001	-.00393	-.00459	.01342	.00233	.00240

RUN NO.	559/ O	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	
-7.714	1.39914	150.24200	.06632	-.04756	-.01215	-.00471	-.00792	
-3.901	1.39954	133.38570	.04552	.02515	.04647	.00600	-.00052	
-0.14	1.40018	89.84305	.02066	.01419	.11030	.01733	.00924	
3.840	1.40017	45.75069	-.00518	-.00126	.15940	.02564	.01938	
GRADIENT	.00008	-11.32097	-.00655	-.00341	.01459	.00254	.00257	

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0014) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.961	-7.775	1.54947	-149.89200	.05447	.04893	-.02042	-.00587	-.00351
-3.947	-3.960	1.54962	-132.74760	.03598	.03212	.02583	.00289	.00263
-3.921	.003	1.54965	-88.44815	.02056	.01984	.07362	.01196	.01018
-3.943	3.931	1.54905	-45.47456	.00270	.00499	.11251	.01875	.01800
	GRADIENT	-.00007	11.05914	-.00422	-.00344	.01099	.00201	.00195

RUN NO. 562/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.660	1.54886	.03261	.04882	.03769	-.01290	-.00467	-.00586
.000	-3.811	1.54793	-.00689	.02734	.02034	.03521	.00414	.00012
-.000	.031	1.54912	.03269	.00616	.00908	.08986	.01388	.00784
.002	3.925	1.54810	.03265	-.00969	-.00208	.13761	.02202	.01765
	GRADIENT	.00002	.00510	-.00478	-.00290	.01323	.00231	.00227

RUN NO. 563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.953	-7.796	1.54881	150.08850	.04282	.02862	-.00335	-.00387	-.00778
3.942	-3.967	1.54945	133.03190	.01904	.01252	.04090	.00407	-.00263
3.917	.004	1.54938	89.16797	-.00766	.00297	.10047	.01484	.00493
3.942	3.914	1.54890	45.70601	-.03263	-.00753	.15196	.02384	.01455
	GRADIENT	-.00007	-11.08072	-.00656	-.00254	.01409	.00251	.00218

IA613A(AEDC 16TF-829) B/L QT + RSRM+PLUMES S1.2 (SC0015) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 619/ 0 RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.007	-8.085	.59904	-153.34090	.00426	-.00067	.00322	-.00585
-3.996	-4.010	.60031	-135.85550	.00169	.00073	.04188	.00392
-3.995	.005	.60000	-89.00385	-.00148	-.00133	.08066	.01363
-3.992	3.979	.59905	-43.44221	-.00334	-.00839	.12305	.02337
	GRADIENT	-.00016	11.56875	-.00063	-.00114	.01016	.00243
RUN NO. 620/ 0 RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-.003	-7.912	.59937	.03257	.01225	.00394	-.00468	-.00782
.001	-3.935	.59953	-.00687	.01014	.00339	.03938	.00352
.000	.075	.60063	.03268	.00904	-.00022	.08482	.01503
.002	4.052	.60012	.03260	.00703	-.00896	.13134	.02627
	GRADIENT	.00007	.00495	-.00039	-.00155	.01151	.00285
RUN NO. 621/ 0 RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
3.999	-8.088	.59974	153.41500	.02462	.00396	-.00338	-.00797
3.994	-4.003	.60071	135.98000	.02255	.00178	.04773	.00490
3.989	-.046	.60050	90.04158	.02043	-.00267	.09639	.01736
3.995	4.001	.59978	43.39440	.01696	-.01193	.14461	.02893
	GRADIENT	-.00012	-11.56827	-.00070	-.00172	.01211	.00300

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SC0016) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.106	.79833	-152.65900	-.01290	-.00135	.00923	.00169	-.00702
-3.996	-4.028	.80027	-135.25830	-.01240	.00101	.04921	.00890	.00325
-3.981	-.041	.80005	-90.03616	-.01095	.00040	.09013	.01634	.01321
-4.003	3.956	.80040	-44.75434	-.00880	-.00554	.13512	.02468	.02385
	GRADIENT	.00002	11.33543	.00045	-.00082	.01076	.00198	.00258

RUN NO. 624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.039	.79986	-.00675	-.00017	.00344	-.00153	-.00006	-.00905
-.001	-3.920	.80022	.03267	.00008	.00442	.04539	.00836	.00319
-.000	-.015	.79970	-.00690	.00144	.00216	.09200	.01662	.01515
-.001	4.103	.79986	-.00686	.00257	-.00573	.14465	.02636	.02782
	GRADIENT	-.00004	-.00488	.00031	-.00127	.01238	.00225	.00307

RUN NO. 625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.982	.80000	152.41330	.01634	.00415	.00418	.00065	-.00770
3.997	-4.045	.80066	135.50260	.01668	.00353	.05339	.00977	.00538
3.986	-.044	.79985	90.31958	.01558	-.00129	.10775	.01920	.01855
4.008	3.934	.79954	44.94551	.01546	-.00888	.16073	.02914	.03112
	GRADIENT	-.00014	-11.34946	-.00015	-.00155	.01320	.00243	.00323

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0017) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 626/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.982	.89983	-151.89770	-.01746	-.00501	-.00412	.00029	-.00714
-3.998	-4.056	.90030	-135.01960	-.01659	-.00197	.04513	.00788	.00238
-3.987	.020	.90002	-89.04357	-.01946	.00027	.08985	.01612	.01241
-3.998	3.995	.89986	-44.71494	-.01588	-.00624	.13814	.02482	.02282
	GRADIENT	-.00005	11.21768	.00009	-.00053	.01155	.00210	.00254

RUN NO. 627/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.028	.89980	.03259	-.00408	-.00240	-.00757	-.00157	-.00962
.001	-4.401	.90058	-.00687	-.00242	-.00001	.03575	.00628	.00117
-.001	-3.941	.90024	.03267	-.00231	.00024	.04161	.00730	.00261
.000	.100	.89994	.03269	-.00119	.00481	.09612	.01712	.01542
.002	4.082	.89946	.03262	-.00029	-.00559	.14439	.02508	.02726
	GRADIENT	-.00012	.00281	.00025	-.00050	.01287	.00224	.00308

RUN NO. 628/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.983	.89940	151.97330	.01094	-.00296	-.00026	-.00048	-.00852
3.992	-4.041	.90000	135.10430	.01426	.00056	.05410	.00918	.00523
3.981	.010	.90038	89.36648	.01460	.00289	.11411	.02003	.01913
3.995	4.001	.89987	44.74747	.01150	-.01148	.16131	.02753	.03043
	GRADIENT	-.00002	-11.23547	-.00034	-.00149	.01334	.00228	.00313

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SC0018) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.976	.94734	-151.65730	-.01689	.00198	.00144	-.00084	-.00608
-3.999	-4.030	.95073	-134.58180	-.01654	.00682	.04190	.00683	.00309
-3.997	.005	.95104	-89.28178	-.02038	.00664	.08497	.01496	.01213
-3.996	3.991	.94973	-44.79464	-.01853	-.00590	.13143	.02308	.02187
	GRADIENT	-.00012	11.19459	-.00025	-.00158	.01116	.00203	.00234

RUN NO. 631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.040	.94910	-.00677	-.00227	.00261	-.01356	-.00307	-.00908
-.001	-4.029	.95110	.03266	.00079	.00620	.03701	.00630	.00261
-.000	.090	.95065	-.00689	.00409	.00750	.09113	.01587	.01505
-.001	3.974	.94955	-.00686	.00031	-.00742	.14315	.02444	.02629
	GRADIENT	-.00019	-.00499	-.00005	-.00168	.01326	.00227	.00296

RUN NO. 632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-7.984	.94934	151.73310	.01802	.00087	-.00523	-.00162	-.00806
3.997	-4.028	.95039	134.66680	.01941	.00674	.05245	.00885	.00556
3.985	.059	.95206	88.81049	.02398	.00457	.11326	.01948	.01922
3.998	4.002	.94916	44.78707	.01925	-.01601	.16240	.02734	.02960
	GRADIENT	-.00015	-11.19262	-.00001	-.00282	.01370	.00230	.00300

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-7.971	1.04929	-151.13660	-0.04307	-0.0814	-0.01232	-0.00288	-0.00854
-4.002	-4.073	1.05081	-134.46260	-0.03788	-0.00573	-0.03348	-0.00568	-0.00148
-3.996	.012	1.05059	-89.83764	-0.02845	-0.00663	-0.08234	-0.01472	-0.01205
-3.995	4.001	1.04977	-45.43123	-0.02807	-0.01734	-0.13654	-0.02458	-0.02191
	GRADIENT	-0.00013	11.02708	-0.00122	-0.00143	-0.01276	-0.00234	-0.00253

RUN NO. 634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.003	-8.060	1.04943	.03256	-0.00923	.00225	-0.01842	-0.00377	-0.00881
-0.000	-4.050	1.04976	-0.00690	-0.00677	.00562	-0.03677	-0.00656	-0.00371
-0.001	-0.021	1.04993	-0.00688	-0.00262	.00129	-0.09971	-0.01802	-0.01626
.001	3.974	1.04975	.03270	-0.00759	-0.01779	-0.15258	-0.02642	-0.02650
	GRADIENT	-0.00000	.00493	-0.00010	-0.00291	-0.01444	-0.00248	-0.00284

RUN NO. 635/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.099	1.04918	151.53360	.01127	.00340	-0.00527	-0.00193	-0.00833
3.994	-4.091	1.05010	134.78610	.00412	.00485	-0.06267	-0.01076	-0.00632
3.994	.015	1.05043	90.35930	-0.00588	-0.00529	-0.13163	-0.02281	-0.01902
4.005	4.042	1.04952	45.34368	-0.01127	-0.03276	-0.18103	-0.03035	-0.02901
	GRADIENT	-0.00007	-10.99714	-0.00189	-0.00462	-0.01456	-0.00241	-0.00279

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (SC0020) (29 JUL 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.091	1.09559	-151.41670	-.02873	-.00087	-.02458	-.00470	-.00849
-4.003	-4.070	1.10228	-134.30340	-.03072	.00061	.02393	.00435	.00173
-3.998	.005	1.10044	-89.91705	-.02837	-.00350	.07419	.01367	.01178
-3.995	3.992	1.10005	-45.47096	-.02960	-.01706	.12775	.02363	.02083
	GRADIENT	-.00028	11.01781	.00014	-.00219	.01288	.00239	.00237

RUN NO. 647/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.038	1.09824	.03256	.00248	.00391	-.02274	-.00433	-.00836
.000	-4.744	1.10085	-.00688	-.00329	.00608	.02300	.00425	.00163
-.002	-3.993	1.09991	.03265	-.00313	.00553	.03286	.00607	.00392
-.001	-.027	1.09972	-.00689	-.00486	-.00130	.09515	.01748	.01600
.001	3.972	1.09972	.03268	-.01364	-.02006	.15199	.02736	.02555
	GRADIENT	-.00009	.00194	-.00115	-.00293	.01493	.00268	.00276

RUN NO. 639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.091	1.09788	151.41340	.00969	.00519	-.01078	-.00235	-.00835
4.001	-4.008	1.10293	133.99070	.00287	.00762	.05907	.01049	.00609
3.991	-.002	1.10049	90.16074	.00773	-.01074	.12566	.02255	.01818
4.007	4.057	1.09956	45.18436	.00132	-.03371	.17916	.03148	.02824
	GRADIENT	-.00042	-11.01118	-.00019	-.00513	.01489	.00260	.00275

IA613A(AEDC 16TF-829) B/L QT + RSRM+PLUMES S1,2

(SC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.077	1.14743	-151.21680	-.02866	-.00152	-.01941	-.00421	-.00740
-4.002	-4.057	1.15075	-134.26350	-.02757	.00374	.03218	.00533	.00337
-3.997	.006	1.15067	-90.19498	-.02497	-.00313	.08523	.01552	.01281
-3.996	3.995	1.14965	-45.59026	-.02818	-.02061	.13474	.02443	.02141
	GRADIENT	-.00014	11.01146	-.00007	-.00302	.01274	.00237	.00224

RUN NO. 641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.052	1.14870	.03256	.00442	.00309	-.02069	-.00416	-.00775
.000	-4.044	1.15147	-.00690	.00240	.00813	.04140	.00749	.00475
-.001	-.013	1.15052	-.00688	-.00061	-.00899	.10546	.01929	.01568
.001	3.967	1.14962	.03269	-.00766	-.02942	.15713	.02810	.02488
	GRADIENT	-.00023	.00493	-.00126	-.00469	.01445	.00257	.00251

RUN NO. 642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.076	1.14787	151.25330	.01574	.00610	-.00414	-.00181	-.00778
3.999	-4.007	1.15078	134.07010	.00740	-.00245	.07272	.01291	.00537
3.990	-.006	1.15041	90.67700	.00528	-.02477	.13501	.02394	.01680
4.009	4.056	1.15001	45.38318	.00643	-.04510	.18475	.03189	.02707
	GRADIENT	-.00010	-10.99912	-.00012	-.00529	.01389	.00235	.00269

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (SC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.930	1.24873	-150.57640	-.00733	-.00006	-.01685	-.00394	-.00542
-4.008	-4.025	1.25004	-133.78630	-.01203	-.00225	.03824	.00678	.00346
-3.992	.009	1.24993	-90.07587	-.01453	-.01431	.08851	.01625	.01213
-3.995	3.989	1.24984	-45.78921	-.01901	-.03393	.13819	.02491	.02086
	GRADIENT	-.00003	10.98106	-.00087	-.00451	.01247	.00226	.00217

RUN NO. 645/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.056	1.24957	.03256	.02875	.00497	-.01387	-.00319	-.00665
-.002	-4.049	1.25053	.03265	.02015	-.00889	.05143	.00942	.00352
-.001	-.039	1.25021	-.00688	.01744	-.02885	.11235	.02031	.01427
.001	3.969	1.24972	.03270	.00386	-.05116	.16135	.02867	.02353
	GRADIENT	-.00010	.00001	-.00203	-.00527	.01371	.00240	.00250

RUN NO. 646/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-8.075	1.24900	151.05260	.04220	-.00282	.00154	-.00055	-.00975
3.997	-4.072	1.25022	134.26900	.03045	-.02554	.07326	.01270	.00123
3.991	.011	1.25037	90.47843	.01990	-.04628	.13917	.02412	.01336
4.006	4.072	1.25005	45.38337	.00931	-.05754	.18559	.03175	.02368
	GRADIENT	-.00002	-10.91533	-.00260	-.00393	.01380	.00234	.00276

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SC0023) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 469/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.752	1.24896	-150.64600	-.02399	.01955	-.01141	-.00389	-.00412
-3.883	-3.966	1.24974	-134.45450	-.02460	.02330	.04104	.00628	.00449
-3.823	-.044	1.24951	-91.02856	-.02088	.00493	.08889	.01544	.01287
-3.881	3.874	1.25024	-45.67756	-.01820	-.01673	.13623	.02385	.02131
GRADIENT		.00006	11.32410	.00082	-.00511	.01214	.00224	.00215

RUN NO. 470/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.810	1.24994	.03261	.01289	.03016	-.01053	-.00344	-.00546
-.002	-5.054	1.24959	.03265	.01177	.02084	.03350	.00511	.00153
-.001	-3.992	1.24980	.03267	.01219	.01529	.05085	.00841	.00442
-.000	-.081	1.24967	.03269	.01264	-.00969	.10949	.01899	.01489
-.002	3.806	1.24985	-.00680	.00452	-.03221	.15644	.02705	.02412
GRADIENT		.00001	-.00506	-.00098	-.00609	.01354	.00239	.00253

RUN NO. 471/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.911	-7.815	1.25028	150.88280	.02517	.01664	.00515	-.00066	-.00789
3.870	-3.929	1.24974	134.41960	.02019	-.00808	.07411	.01201	.00295
3.821	-.051	1.25040	91.47098	.01969	-.02948	.13385	.02250	.01434
3.884	3.839	1.24948	45.98831	.01553	-.04214	.17951	.03016	.02425
GRADIENT		-.00003	-11.38361	-.00060	-.00438	.01357	.00234	.00274

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SCD024) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 476/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.918	-7.746	1.29984	-150.52670	-.01455	.02908	-.00740	-.00334	-.00366
-3.884	-3.963	1.29955	-134.29540	-.01708	.01480	.04440	.00684	.00433
-3.819	-.037	1.29903	-90.86978	-.01496	-.00386	.09310	.01613	.01251
-3.870	3.822	1.29996	-45.95662	-.01898	-.02670	.13628	.02372	.02061
GRADIENT		.00005	11.34551	-.00024	-.00533	.01180	.00217	.00209

RUN NO. 477/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.770	1.29989	.03262	.02024	.02322	-.00763	-.00272	-.00617
-.001	-3.984	1.30015	.03267	.01855	.00154	.05218	.00865	.00315
-.001	-.043	1.30019	-.00689	.01671	-.01935	.10985	.01902	.01327
.001	3.847	1.29952	.03268	.00728	-.04096	.15648	.02690	.02241
GRADIENT		-.00008	-.00002	-.00144	-.00543	.01332	.00233	.00246

RUN NO. 478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.912	-7.771	1.29961	150.60310	.03520	.00757	.00266	-.00110	-.00951
3.887	-3.965	1.29975	134.30130	.02733	-.01675	.06841	.01094	.00047
3.823	-.049	1.29944	91.19305	.02160	-.03547	.13030	.02186	.01169
3.886	3.861	1.29943	45.82907	.00931	-.05213	.17814	.02990	.02171
GRADIENT		-.00004	-11.30466	-.00230	-.00452	.01402	.00242	.00271

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM + S1.3

(SC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.914	-7.751	1.34965	-150.48620	-.00799	.02577	-.00441	-.00285	-.00411
-3.882	-3.957	1.34968	-134.05650	-.01192	.00383	.04568	.00708	.00292
-3.822	-.040	1.34968	-90.59190	-.01155	-.01163	.09306	.01596	.01156
-3.866	3.826	1.35009	-45.91711	-.01870	-.03015	.13546	.02344	.02024
	GRADIENT	.00005	11.32360	-.00087	-.00436	.01154	.00210	.00223

RUN NO. 483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.782	1.35008	.03262	.02650	.01558	-.00573	-.00242	-.00703
-.001	-3.921	1.34986	.03266	.02327	-.00869	.05402	.00880	.00215
-.001	-.044	1.35025	-.00689	.01656	-.02526	.10984	.01877	.01197
.001	3.807	1.35003	.03270	.00710	-.04420	.15568	.02641	.02136
	GRADIENT	.00002	-.00001	-.00209	-.00459	.01316	.00228	.00249

RUN NO. 485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.902	-7.781	1.34932	150.60190	.04056	-.00141	.00233	-.00133	-.01002
3.886	-3.958	1.34994	134.06260	.02944	-.02387	.06556	.01027	-.00110
3.821	-.044	1.35008	90.87540	.01702	-.03858	.12569	.02093	.00938
3.889	3.882	1.34999	45.66975	.00089	-.05494	.17412	.02902	.01971
	GRADIENT	.00001	-11.27427	-.00364	-.00396	.01385	.00239	.00266

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SC0026) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .000	-1.097	1.39992	-.08606	.01106	-.02759	.09796	.01612	.00770
-3.909	-7.739	1.39998	-150.36560	-.00482	.02109	-.00335	-.00266	-.00447
-3.879	-3.951	1.39942	-133.85730	-.00979	.00143	.04606	.00685	.00281
-3.821	-.037	1.39999	-90.35372	-.01051	-.01453	.09306	.01581	.01099
-3.873	3.836	1.39938	-45.91668	-.01749	-.03240	.13344	.02284	.01926
	GRADIENT	-.00000	11.29316	-.00099	-.00434	.01122	.00205	.00211

RUN NO. 490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .002	-7.842	1.39992	.03263	.02795	.00842	-.00405	-.00253	-.00741
- .002	-4.751	1.40005	.03265	.02226	-.01145	.04153	.00601	-.00104
- .001	-3.983	1.39979	.03265	.01996	-.01501	.05382	.00830	.00076
- .000	-.079	1.40003	.03269	.01173	-.03159	.10969	.01832	.01037
.001	3.816	1.39962	.03270	.00042	-.04760	.15534	.02595	.01990
	GRADIENT	-.00003	.00001	-.00249	-.00421	.01332	.00233	.00245

RUN NO. 492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.905	-7.754	1.39981	150.44240	.04121	-.00767	.00358	-.00144	-.00999
3.885	-3.953	1.39990	133.94320	.02583	-.02943	.06107	.00910	-.00254
3.825	-.033	1.39959	90.63716	.00817	-.04234	.12412	.02034	.00755
3.874	3.829	1.39955	45.90945	-.01084	-.05643	.17225	.02836	.01788
	GRADIENT	-.00005	-11.31056	-.00471	-.00347	.01429	.00248	.00262

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(SC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.780	1.39933	-150.28620	.00088	.07456	-.01943	-.00646	-.00237
-3.882	-3.930	1.39999	-133.34020	-.00558	.05659	.03185	.00351	.00484
-3.821	-.026	1.40021	-89.48042	-.00910	.04078	.08051	.01279	.01276
-3.869	3.845	1.39979	-45.51926	-.01365	.01892	.12150	.02010	.02087
	GRADIENT	-.00003	11.29501	-.00104	-.00484	.01153	.00213	.00206

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.769	1.39978	-.00679	.03305	.06465	-.01721	-.00564	-.00527
-.002	-3.957	1.40001	.03265	.02171	.04164	.04135	.00526	.00291
-.000	-.080	1.39964	.03269	.01364	.02470	.09718	.01534	.01233
.001	3.829	1.39998	.03272	.00317	.00560	.14340	.02323	.02175
	GRADIENT	-.00000	.00001	-.00238	-.00463	.01310	.00231	.00242

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.903	-7.736	1.39982	150.32220	.04615	.04864	-.00839	-.00457	-.00757
3.885	-3.948	1.40007	133.70450	.02877	.02612	.04923	.00607	-.00023
3.820	-.037	1.40016	90.24010	.01116	.01456	.11209	.01732	.00963
3.869	3.836	1.40006	45.67111	-.00930	-.00084	.16070	.02555	.01983
	GRADIENT	-.00000	-11.31005	-.00489	-.00346	.01432	.00250	.00258

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) QT(DOOR OFF)+RSRM + S1.3

(SC0028) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 545/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.962	-7.796	1.54820	-149.97210	.00995	.04936	-.00962	-.00494	-.00357
-3.955	-3.993	1.54865	-132.98680	-.00617	.03233	.03606	.00381	.00281
-3.920	-.015	1.54981	-88.68636	-.00823	.02054	.08122	.01251	.01046
-3.940	3.920	1.54871	-45.39520	-.01697	.00562	.11730	.01905	.01816
	GRADIENT	.00001	11.06891	-.00136	-.00337	.01027	.00193	.00194

RUN NO. 546/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.730	1.54929	.03264	.02665	.03890	-.00958	-.00466	-.00595
-.001	-3.849	1.54949	.03268	.00839	.02133	.03906	.00421	.00016
.000	.046	1.54950	.03268	-.00416	.01000	.09288	.01401	.00819
.001	3.940	1.54863	.03267	-.01595	-.00171	.13915	.02199	.01788
	GRADIENT	-.00011	-.00000	-.00313	-.00296	.01285	.00228	.00228

RUN NO. 547/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.955	-7.807	1.54938	150.08880	.03127	.02935	-.00114	-.00387	-.00749
3.936	-3.969	1.54907	133.11110	.00968	.01281	.04343	.00417	-.00221
3.921	-.018	1.54996	89.32681	-.01145	.00365	.10087	.01470	.00534
3.944	3.917	1.54854	45.54674	-.03268	-.00696	.15226	.02374	.01495
	GRADIENT	-.00007	-11.10279	-.00537	-.00251	.01380	.00248	.00218

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0029) (13 APR 92)

PARAMETRIC DATA

RUN NO.		689/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-4.004	-8.097	.60140	-153.22020	.01206	-.00047
-3.997	-4.006	.60081	-135.61670	.00867	.00061
-3.993	.002	.60042	-88.60682	.00569	-.00131
-3.999	3.992	.59946	-43.20291	.00272	-.00914
	GRADIENT	-.00017	11.55471	-.00074	-.00122
RUN NO.		690/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-.003	-8.016	.59885	.03258	.01979	.00391
-.001	-3.931	.59977	.03267	.01685	.00310
.001	.067	.60103	.03268	.01541	-.00081
.003	4.044	.60053	.03258	.01354	-.00970
	GRADIENT	.00010	-.00001	-.00041	-.00161
RUN NO.		691/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
3.998	-8.044	.59925	153.17460	.03108	.00440
3.997	-4.007	.60110	135.78120	.02778	.00207
3.994	-.036	.60055	89.52531	.02562	-.00268
3.998	3.976	.60007	43.43397	.02216	-.01268
	GRADIENT	-.00013	-11.56679	-.00070	-.00185

CTW CBW CNW CTW CBW CNW CTW CBW CNW CTW CBW CNW CTW CBW CNW

-.00788 -.00054 -.00986 -.00942 -.00112 -.01478 -.00391 -.00119 -.01308 -.00937 -.00119 -.03893 -.00336 -.01609 -.02776 -.00306

.00201 .00691 .03097 .00708 .00708 .07714 .00310 .00814 .03893 .00336 .00814 .03893 .00336 .01609 .02776 .00306

.01218 .01459 .07205 .01546 .01546 .12492 .00970 .13810 .08958 .01739 .01739 .08958 .01739 .02776 .00306

.02212 .02305 .11695 .02442 .02442 .01179 -.00161 .13810 .08958 .01739 .01739 .08958 .01739 .02776 .00306

.00252 .00202 .01075 .00217 .00217 .01179 -.00161 .13810 .08958 .01739 .01739 .08958 .01739 .02776 .00306

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0030) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 693/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-7.984	.79890	-152.13730	-.01029	-.00319	-.00698	-.00054	-.00922
-4.000	-4.038	.80032	-134.97990	-.01134	-.00162	.03521	.00717	.00090
-3.986	-.039	.80015	-89.36120	-.01097	-.00174	.07884	.01509	.01139
-3.996	3.995	.79964	-44.23765	-.00941	-.00699	.12898	.02437	.02267
	GRADIENT	-.00008	11.29555	.00024	-.00067	.01167	.00214	.00271

RUN NO. 694/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.033	.80013	.03260	.00166	.00232	-.01425	-.00167	-.01071
.001	-4.031	.79996	-.00687	.00216	.00268	.03369	.00694	.00132
.001	.106	.79991	.03268	.00383	.00017	.08566	.01621	.01415
-.001	4.095	.79923	-.00687	.00613	-.00679	.13897	.02611	.02678
	GRADIENT	-.00009	.00006	.00049	-.00116	.01295	.00236	.00313

RUN NO. 695/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.007	.79982	152.25340	.01838	.00436	-.00761	-.00094	-.00932
3.997	-4.044	.80033	135.18420	.01811	.00340	.04596	.00874	.00385
3.980	-.029	.80016	89.64445	.01778	-.00125	.10111	.01859	.01735
3.996	3.991	.79997	44.34943	.01883	-.01011	.15710	.02922	.03026
	GRADIENT	-.00004	-11.30517	.00009	-.00168	.01383	.00255	.00329

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(SC0031) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 696/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.110	.89974	-151.97770	-.01298	.00148	-.01811	-.00340	-.00922
-3.998	-4.063	.90028	-134.58170	-.01443	.00318	.02739	.00518	.00057
-3.997	-.003	.90003	-88.80534	-.01794	.00583	.07406	.01388	.01046
-3.994	3.987	.89990	-44.59591	-.01782	-.00529	.12562	.02311	.02107
	GRADIENT	-.00005	11.17804	-.00042	-.00105	.01220	.00223	.00255

RUN NO. 697/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.029	.90008	-.00677	.00896	-.00118	-.02529	-.00431	-.01059
.001	-4.518	.90034	-.00685	.00831	.00352	.02014	.00391	.00002
.001	-3.909	.89985	-.00686	.00823	.00247	.02833	.00545	.00185
.000	.103	.89968	-.00690	.00857	.00597	.08423	.01559	.01395
-.001	4.092	.89939	-.00687	.01020	-.00601	.13750	.02478	.02605
	GRADIENT	-.00009	-.00000	.00021	-.00090	.01366	.00243	.00302

RUN NO. 698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.990	-7.954	.89988	151.69250	.02796	-.00136	-.01508	-.00283	-.00911
3.998	-4.033	.89991	134.54750	.02351	.00181	.04159	.00744	.00419
3.985	.040	.90010	88.57220	.02459	.00521	.10344	.01851	.01814
3.996	3.996	.89956	44.66770	.02135	-.01204	.15591	.02734	.02922
	GRADIENT	-.00004	-11.19616	-.00027	-.00171	.01425	.00248	.00312

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0032) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 702/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.981	.94848	-151.41710	-.03261	-.00735	-.02126	-.00358	-.00967
-3.997	-4.043	.94957	-134.22330	-.02151	-.00675	.02430	.00485	.00017
-3.996	.000	.95062	-88.80534	-.02179	-.00630	.07187	.01368	.00997
-3.993	4.003	.94872	-44.75504	-.02316	-.01440	.12454	.02361	.01981
	GRADIENT	-.00010	11.11987	-.00021	-.00095	.01246	.00233	.00244

RUN NO. 703/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.031	.95034	.03263	-.00379	-.00144	-.02923	-.00483	-.01056
-.001	-4.034	.95016	.03268	-.00080	-.00022	.02355	.00492	.00121
-.000	.081	.95029	-.00689	-.00271	.00033	.08092	.01539	.01337
.002	3.977	.94852	.03260	.00393	-.01932	.13783	.02516	.02448
	GRADIENT	-.00020	-.00010	.00058	-.00236	.01426	.00253	.00291

RUN NO. 704/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.936	.94976	151.41270	.01038	-.00015	-.01762	-.00305	-.00907
3.997	-4.041	.95000	134.38830	.01309	.00220	.04100	.00769	.00421
3.984	.083	.95122	88.09566	.01324	-.00008	.10482	.01900	.01800
3.998	3.998	.94875	44.78705	.01464	-.02431	.15864	.02798	.02815
	GRADIENT	-.00015	-11.14615	.00019	-.00327	.01464	.00253	.00298

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (SC0033) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 705/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.100	1.04694	-151.17660	-.01443	.00347	-.04085	-.00669	-.00968
-3.998	-4.067	1.05194	-133.90500	-.02256	.00518	.01048	.00285	.00088
-4.000	.004	1.05033	-89.16267	-.02340	.00272	.06316	.01241	.01145
-4.002	4.046	1.04974	-44.99314	-.02823	-.00939	.11984	.02286	.02106
	GRADIENT	-.00027	10.95901	-.00070	-.00179	.01348	.00247	.00249

RUN NO. 706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .002	-8.041	1.04966	.03261	.01084	.00589	-.03538	-.00552	-.00924
- .001	-4.038	1.05110	.03266	-.00050	.00762	.02248	.00517	.00310
- .000	-.031	1.05049	.03269	-.00387	.00379	.08662	.01697	.01535
- .001	3.976	1.04941	-.00681	-.00714	-.01185	.14215	.02642	.02553
	GRADIENT	-.00021	-.00492	-.00083	-.00243	.01493	.00265	.00280

RUN NO. 707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.024	1.04955	151.09340	.02117	.00700	-.01938	-.00325	-.00889
4.001	-4.073	1.05167	134.14980	.00750	.00880	.05118	.00980	.00546
3.995	.015	1.05073	89.60474	.00064	-.00866	.12193	.02257	.01780
4.006	4.070	1.04946	45.02526	.00404	-.02653	.17441	.03100	.02838
	GRADIENT	-.00027	-10.94554	-.00043	-.00434	.01514	.00260	.00282

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0034) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 709/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.097	1.09825	-151.13700	.01813	.00564	-.04674	-.00733	-.00832
-3.999	-4.092	1.10069	-134.02450	.00218	.00709	.00293	.00190	.00145
-3.997	.002	1.10007	-89.28178	-.00940	.00460	.05624	.01164	.01152
-4.003	4.046	1.09984	-45.03286	-.02466	-.01016	.11209	.02202	.02033
	GRADIENT	-.00010	10.93572	-.00330	-.00212	.01341	.00247	.00232

RUN NO. 710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.052	1.09977	-.00675	.04350	.00545	-.04032	-.00602	-.00835
-.001	-4.747	1.10062	.03267	.02743	.00749	.00682	.00275	.00137
.001	-4.031	1.10002	-.00688	.02411	.00700	.01703	.00454	.00382
-.000	.022	1.09973	-.00689	.01350	.00131	.08315	.01655	.01577
-.001	3.969	1.09937	-.00683	.00337	-.01750	.13788	.02619	.02489
	GRADIENT	-.00012	-.00287	-.00270	-.00277	.01518	.00272	.00271

RUN NO. 711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.017	1.09938	150.97330	.05300	.00698	-.02359	-.00370	-.00822
3.999	-4.058	1.10113	133.91090	.03414	.00882	.04575	.00906	.00545
3.991	.013	1.09997	89.32675	.01515	-.00975	.11626	.02176	.01736
4.001	4.049	1.09976	45.02562	.00279	-.03101	.17051	.03023	.02711
	GRADIENT	-.00017	-10.96346	-.00387	-.00491	.01539	.00270	.00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0035) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.150						IEABOX = .000
IB-ELV	=	10.000						OB-ELV = 9.000

PARAMETRIC DATA

RUN NO.	712/ 0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	
-8.109	1.14863	34.03080	.01476	.00520	-.04008	-.00641	
-3.951	1.15025	55.16539	.00593	.00862	.01528	.00354	
-.010	1.15002	90.08127	-.00386	.00281	.07174	.01396	
3.994	1.15008	126.63140	-.01909	-.01646	.12390	.02323	
GRADIENT	-.00002	8.99473	-.00315	-.00316	-.01367	.00248	

[illegible]

RUN NO.	714/ 0	RN/L =	2.50	GRADIENT INTERVAL =				-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW			
-8.026	1.14983	150.89290	.06136	.00731	-.01671	-.00291			
-4.101	1.15064	134.18950	.04254	-.00123	.05818	.01125			
.014	1.15079	89.56503	02567	-.02470	.12395	.02290			
4.076	1.15045	44.98580	.00670	-.04645	.17786	.03186			
GRADIENT	- .00002	-10.90941	-.00438	-.00553	.01464	.00252			

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0036) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 715/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.950	1.24977	34.78854	.03274	.00695	-.03116	-.00516	-.00464
-3.998	-4.016	1.25006	54.72896	.02353	.00562	.02521	.00548	.00409
-3.993	-.005	1.24954	90.12096	.01559	-.01274	.08072	.01556	.01287
-3.999	4.098	1.24978	127.10930	-.00066	-.03551	.13020	.02409	.02129
	GRADIENT	-.00003	8.92102	-.00298	-.00507	.01294	.00229	.00212

RUN NO. 716/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.088	1.25029	-.00680	.05662	.00683	-.02562	-.00432	-.00632
.000	-4.058	1.25062	-.00690	.04666	-.00729	.03769	.00791	.00353
-.001	-.021	1.24932	-.00688	.03640	-.02714	.10010	.01903	.01408
-.002	3.962	1.25022	-.00678	.01862	-.05038	.14954	.02745	.02292
	GRADIENT	-.00005	.00002	-.00349	-.00537	.01395	.00244	.00242

RUN NO. 717/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.064	1.24976	150.73380	.06467	-.00261	-.00781	-.00133	-.00954
4.004	-4.025	1.25022	133.43380	.05222	-.02499	.06273	.01160	.00114
3.996	.006	1.25048	89.68417	.04050	-.04502	.12837	.02302	.01282
3.996	3.982	1.24936	45.66258	.01962	-.05871	.17604	.03094	.02263
	GRADIENT	-.00011	-10.96161	-.00407	-.00421	.01416	.00242	.00268

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0037) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1449/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.992	1.24925	34.70889	.03963	.03130	-.03323	-.00706	-.00380
-4.010	-3.922	1.25043	55.60277	.02945	.03091	.02547	.00385	.00557
-4.004	-.009	1.24997	90.12097	.02175	.00974	.08181	.01399	.01437
-3.995	4.008	1.24999	126.55240	.00751	-.01612	.13215	.02259	.02291
	GRADIENT	-.00005	8.94688	-.00277	-.00593	.01345	.00236	.00219

RUN NO. 1450/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.084	1.24949	.03259	.06359	.03122	-.02640	-.00602	-.00518
-.002	-5.129	1.25045	.03263	.05675	.02198	.02071	.00292	.00220
.000	-3.995	1.25018	-.00690	.05381	.01627	.03951	.00643	.00522
-.001	-.042	1.24997	-.00688	.04470	-.00632	.10194	.01743	.01581
-.002	3.992	1.24976	-.00677	.02713	-.03162	.15392	.02616	.02500
	GRADIENT	-.00005	.00002	-.00334	-.00600	.01432	.00247	.00248

RUN NO. 1451/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.028	1.24963	150.69340	.07192	.01894	-.00696	-.00254	-.00773
4.002	-4.013	1.25004	133.39390	.06081	-.00596	.06518	.01034	.00342
3.995	.026	1.25013	89.32675	.04818	-.02740	.13181	.02169	.01520
4.004	4.077	1.24967	45.02539	.02709	-.04772	.18309	.03024	.02501
	GRADIENT	-.00005	-10.92282	-.00417	-.00516	.01457	.00246	.00267

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0038) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1453/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-8.050	1.29971	34.58922	.04565	.03311	-.02578	-.00616	-.00264
-4.007	-3.922	1.30006	55.64266	.03442	.02006	.03218	.00480	.00551
-4.003	-.012	1.29967	90.08127	.02545	-.00100	.08634	.01446	.01418
-4.000	3.996	1.29996	126.43340	.01249	-.02295	.13293	.02238	.02248
	GRADIENT	-.00001	8.94113	-.00277	-.00543	.01272	.00222	.00214

RUN NO. 1454/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.090	1.30024	-.00681	.06300	.02631	-.01893	-.00484	-.00533
.000	-4.067	1.30022	-.00689	.05457	.00392	.04395	.00692	.00431
-.000	-.045	1.29983	.03269	.04358	-.01569	.10634	.01778	.01476
-.002	3.989	1.29995	-.00678	.02867	-.03870	.15651	.02615	.02395
	GRADIENT	-.00003	.00001	-.00321	-.00529	.01397	.00239	.00244

RUN NO. 1455/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.036	1.29898	150.61380	.07161	.01047	-.00481	-.00265	-.00829
4.002	-4.019	1.30005	133.35410	.05922	-.01551	.06434	.00986	.00171
3.996	.008	1.29998	89.60474	.04102	-.03355	.13143	.02125	.01305
4.000	3.980	1.29954	45.66230	.01841	-.05225	.18215	.02968	.02291
	GRADIENT	-.00006	-10.96266	-.00510	-.00459	.01473	.00248	.00265

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0039) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1457/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.969	1.34985	34.94811	.05019	.03067	-.01923	-.00497	-.00268
-4.014	-3.925	1.35018	55.84105	.03962	.01070	.03450	.00513	.00491
-4.005	-.052	1.34971	89.76355	.02894	-.00711	.08711	.01444	.01339
-3.998	4.000	1.34963	126.43330	.01429	-.02774	.13489	.02254	.02214
GRADIENT		-.00007	8.90867	-.00320	-.00485	.01266	.00220	.00217

RUN NO. 1458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.089	1.34971	.03259	.06343	.02017	-.01559	-.00423	-.00611
-.002	-4.073	1.35020	.03265	.05433	-.00476	.04723	.00724	.00334
-.000	-.018	1.34911	.03270	.03997	-.02129	.10813	.01779	.01364
-.002	3.952	1.34948	-.00676	.02473	-.04118	.15691	.02580	.02286
GRADIENT		-.00009	-.00489	-.00369	-.00454	.01367	.00231	.00243

RUN NO. 1459/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-7.899	1.34946	150.21380	.06884	.00018	.00102	-.00206	-.00823
3.999	-4.099	1.35004	133.83140	.05430	-.02176	.06255	.00915	.00004
4.000	.019	1.35000	89.36646	.03076	-.03642	.12794	.02047	.01073
3.999	3.985	1.34940	45.66241	.00647	-.05257	.17903	.02883	.02097
GRADIENT		-.00008	-10.90589	-.00592	-.00381	.01442	.00244	.00259

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0040) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1460/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-8.026	1.39968	34.78881	.05478	.02458	-.01610	-.00433	-.00324
-4.015	-3.923	1.39973	56.00001	.04243	.00228	.03861	.00567	.00460
-4.007	-.020	1.40022	90.24012	.02906	-.01397	.09034	.01482	.01314
-3.998	4.003	1.39984	126.47300	.01325	-.03305	.13497	.02229	.02084
GRADIENT		.00001	8.89128	-.00368	-.00446	.01215	.00210	.00205

RUN NO. 1461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.089	1.39975	.03258	.06163	.01086	-.01213	-.00394	-.00649
-.002	-4.805	1.40008	.03263	.05139	-.00826	.03613	.00483	.00028
.000	-4.041	1.39978	-.00690	.04859	-.01312	.04837	.00714	.00197
-.001	-.052	1.40000	-.00688	.03090	-.02772	.10824	.01749	.01184
-.002	3.941	1.39966	-.00676	.01507	-.04427	.15661	.02542	.02126
GRADIENT		-.00003	-.00287	-.00419	-.00402	.01384	.00236	.00241

RUN NO. 1462/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.034	1.39977	150.53300	.06545	-.00421	-.00068	-.00253	-.00885
3.999	-4.020	1.39963	133.19470	.04547	-.02830	.05972	.00839	-.00152
3.998	.015	1.39994	89.24732	.01895	-.03981	.12582	.01985	.00860
3.999	4.044	1.39966	45.30427	-.00681	-.05378	.17783	.02837	.01930
GRADIENT		.00000	-10.89805	-.00648	-.00316	.01465	.00248	.00258

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1464/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.945	-7.904	1.54929	34.95337	.05476	.00480	-.00667	-.00324	-.00383
-3.927	-3.881	1.54540	56.00412	.03788	-.01272	.04261	.00575	.00277
-3.902	-.053	1.54953	90.20039	.02172	-.02514	.09065	.01425	.01092
-3.916	3.952	1.54922	126.66760	.00308	-.03848	.12965	.02086	.01835
	GRADIENT	.00048	9.02276	-.00444	-.00329	.01110	.00193	.00199

RUN NO. 1465/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.973	1.54916	.03261	.05129	-.00521	-.00328	-.00295	-.00687
.001	-3.973	1.54876	-.00688	.02868	-.02434	.04522	.00570	-.00083
-.001	.039	1.54973	-.00689	.00718	-.03780	.10398	.01607	.00750
.002	4.096	1.54869	.03266	-.00973	-.04875	.15332	.02421	.01770
	GRADIENT	-.00001	.00491	-.00476	-.00302	.01340	.00229	.00230

RUN NO. 1466/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.045	-7.993	1.54919	150.01980	.04439	-.01531	.00903	-.00174	-.00860
4.073	-4.164	1.54926	133.23940	.01882	-.03484	.05163	.00585	-.00376
4.099	.015	1.54972	88.85005	-.00890	-.04661	.11540	.01715	.00420
4.068	4.141	1.54870	45.10045	-.03283	-.05608	.17030	.02652	.01466
	GRADIENT	-.00007	-10.61263	-.00622	-.00256	.01429	.00249	.00222

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0042) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.	837/	O	RN/L =	2.51	GRADIENT	INTERVAL =	-5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.921	.60088	31.79426	-.00182	.00186	.00754	.00159	-.00591
-3.999	-4.005	.60089	52.26429	-.00309	.00276	.04534	.00819	.00371
-4.000	-.003	.60126	90.75642	-.00457	.00040	.08732	.01546	.01415
-3.995	3.988	.60078	128.93830	-.00643	-.00785	.13103	.02345	.02468
GRADIENT	-.00001	9.59209	-.00042	-.00133	.01072	.00191		.00262

RUN NO.	838/	O	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.912	.59829	-.00681	.00843	.00555	-.00307	-.00036	-.00740
.000	-3.952	.59983	-.00688	.00656	.00504	.03905	.00727	.00350
.000	.066	.60053	.03269	.00532	.00226	.08436	.01545	.01498
-.001	4.030	.60042	-.00684	.00288	-.00522	.13048	.02406	.02625
GRADIENT	.00007	.00003	-.00046	-.00128	.01145	.00210		.00285

RUN NO.	839/	O	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.080	.59854	153.37460	.02171	.00602	-.00384	-.00090	-.00751
3.989	-4.001	.59989	135.97970	.01936	.00372	.04678	.00820	.00512
3.989	-.049	.59987	89.92244	.01675	-.00054	.09569	.01721	.01757
3.989	3.991	.59976	43.27542	.01306	-.00864	.14379	.02650	.02923
GRADIENT	-.00002	-11.59992	-.00079	-.00155	.01214	.00229		.00302

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0043) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-8.024	.79940	32.43345	-.01693	-.00235	.01112	.00150	-.00671
-4.001	-3.991	.80053	53.17854	-.01521	.00032	.05205	.00869	.00350
-4.013	.097	.80016	91.63014	-.01327	-.00047	.09673	.01641	.01453
-3.994	4.008	.79964	127.90430	-.01157	-.00673	.14419	.02497	.02595
	GRADIENT	-.00011	9.34294	.00046	-.00088	.01151	.00203	.00281

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.047	.79982	-.00678	-.00393	.00330	-.00114	-.00085	-.00846
.001	-3.909	.80071	-.00688	-.00322	.00449	.04538	.00756	.00356
-.000	.063	.80015	-.00689	-.00185	.00270	.09264	.01608	.01562
-.001	4.063	.79934	-.00683	-.00098	-.00422	.14372	.02551	.02803
	GRADIENT	-.00017	.00001	.00028	-.00109	.01234	.00225	.00307

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.975	.79925	152.33290	.01357	.00445	.00440	-.00029	-.00715
3.990	-4.014	.80045	135.22350	.01396	-.00421	.05586	.00895	.00583
3.979	-.048	.80023	90.12100	.01317	.00007	.10761	.01843	.01883
3.999	3.915	.79966	44.82677	.01251	-.00676	.15985	.02843	.03134
	GRADIENT	-.00010	-11.40014	-.00018	-.00138	.01311	.00246	.00322

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0044) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 830/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.066	.89908	32.83310	-.01942	-.00465	.00479	-.00020	-.00668
-4.011	-3.943	.89979	54.17181	-.01893	-.00105	.04834	.00774	.00313
-4.001	.025	.89980	90.79612	-.01999	.00183	.09462	.01598	.01351
-3.996	4.003	.90012	127.42720	-.01806	-.00451	.14656	.02526	.02503
	GRADIENT	.00004	9.21903	.00011	-.00044	.01236	.00220	.00276

RUN NO. 831/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.048	.89987	-.00680	-.00903	-.00191	-.00878	-.00257	-.00918
.001	-4.540	.90037	-.00688	-.00685	.00142	.03326	.00513	.00120
.000	-3.909	.89981	-.00688	-.00629	.00207	.04095	.00653	.00312
-.000	-.021	.89981	-.00689	-.00182	.00732	.09278	.01593	.01521
-.001	4.096	.89956	-.00683	-.00257	-.00218	.14475	.02477	.02764
	GRADIENT	-.00007	.00001	.00054	-.00030	.01296	.00229	.00307

RUN NO. 832/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-7.979	.89956	151.89260	.00623	-.00224	-.00066	-.00138	-.00806
3.987	-3.996	.90017	134.62640	.00973	.00318	.05405	.00836	.00576
3.974	.026	.90069	89.08848	.01216	.00665	.11409	.01943	.01960
3.990	3.992	.89977	44.62844	.01067	-.00742	.16263	.02737	.03073
	GRADIENT	-.00005	-11.26731	.00012	-.00132	.01360	.00238	.00313

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SCD045) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 827/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-8.044	.94901	33.27165	-.01912	-.00217	.00016	-.00151	-.00631
-4.007	-3.976	.95043	54.33098	-.01779	.00398	.04290	.00632	.00328
-4.002	.001	.94992	90.55785	-.01942	.00591	.09018	.01496	.01317
-3.993	3.997	.94943	127.34750	-.01979	-.00599	.13883	.02334	.02374
GRADIENT		-.00013	9.15761	-.00025	-.00125	.01203	.00213	.00257

RUN NO. 828/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.050	.94988	-.00678	-.00783	-.00193	-.01490	-.00392	-.00898
.000	-4.038	.95003	-.00688	-.00435	.00628	.03394	.00498	.00304
-.001	-.036	.95023	-.00689	-.00079	.00637	.08825	.01487	.01478
-.001	4.095	.94936	-.00684	-.00247	-.00570	.14389	.02426	.02654
GRADIENT		-.00008	.00001	.00023	-.00148	.01352	.00257	.00289

RUN NO. 829/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.961	.94949	151.57280	.00883	-.00152	-.00497	-.00259	-.00737
3.992	-4.017	.95025	134.38800	.01247	.00542	.05052	.00765	.00601
3.973	.071	.95068	88.29425	.01712	.00516	.11285	.01886	.01966
3.991	3.984	.94955	44.70793	.01541	-.01235	.16233	.02698	.02973
GRADIENT		-.00009	-11.20964	.00037	-.00221	.01398	.00242	.00297

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0046) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 DB-ELV = 9.000

RUN NO. 823/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-7.964	1.04795	34.18963	-0.04294	-0.1153	-0.0978	-0.00319	-0.00756
-4.009	-3.973	1.05075	54.72840	-0.03642	-0.0897	0.03684	0.00543	0.00270
-4.010	.110	1.05062	91.23299	-0.02683	-0.0918	0.09106	0.01512	0.01396
-3.996	3.993	1.04943	126.63200	-0.02852	-0.02453	0.14496	0.02483	0.02380
	GRADIENT	-0.00016	9.02589	0.00100	-0.00194	0.01357	0.00243	0.00265

RUN NO. 824/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.887	1.04877	-0.00683	-0.00925	0.00204	-0.01664	-0.00437	-0.00767
-0.000	-4.049	1.05147	-0.00692	-0.00897	0.00374	0.03631	0.00562	0.00412
-0.001	-0.023	1.05078	-0.00688	-0.00646	-0.00042	0.09904	0.01715	0.01639
-0.002	4.082	1.04961	-0.00675	-0.00967	-0.02381	0.15362	0.02600	0.02680
	GRADIENT	-0.00023	0.00002	-0.00009	-0.00340	0.01442	0.00251	0.00279

RUN NO. 825/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.087	1.04827	151.33320	0.01208	0.00326	-0.00665	-0.00306	-0.00769
3.995	-4.027	1.05266	134.10960	0.00750	0.00239	0.06420	0.01016	0.00714
3.993	.003	1.05090	89.88274	-0.00752	-0.00496	0.12983	0.02164	0.01925
4.000	4.045	1.04914	45.06549	-0.00852	-0.03520	0.17950	0.02946	0.02923
	GRADIENT	-0.00044	-11.03147	-0.00198	-0.00466	0.01428	0.00239	0.00274

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 820/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.079	1.09762	33.91056	-.03083	-.00134	-.02355	-.00526	-.00773
-4.012	-3.945	1.10167	55.16545	-.03272	-.00161	.02707	.00400	.00254
-4.009	.109	1.10017	91.51099	-.02938	-.00612	.08063	.01368	.01292
-3.990	4.005	1.09909	126.91000	-.03025	-.02325	.13379	.02342	.02217
	GRADIENT	-.00032	9.02406	.00031	-.00271	.01342	.00244	.00247

RUN NO. 821/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.081	1.09889	-.00680	-.00132	.00368	-.02516	-.00543	-.00810
.000	-4.762	1.10114	-.00689	-.00612	.00507	.02090	.00323	.00179
.000	-4.042	1.09979	-.00690	-.00652	.00452	.03042	.00500	.00396
-.001	.104	1.10050	-.00688	-.00349	-.00190	.09410	.01681	.01626
-.002	3.969	1.09916	-.00679	-.01638	-.01935	.14873	.02628	.02544
	GRADIENT	-.00015	.00001	-.00098	-.00271	.01475	.00267	.00273

RUN NO. 822/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.093	1.09538	151.29300	.00644	.00518	-.01110	-.00339	-.00785
3.995	-4.066	1.10331	134.06980	-.00050	.00595	.05712	.00924	.00616
3.990	.011	1.10072	89.28703	.00451	-.01090	.12338	.02138	.01826
3.997	4.020	1.09963	45.10546	-.00798	-.03220	.17682	.03035	.02795
	GRADIENT	-.00046	-11.00128	-.00092	-.00472	.01481	.00261	.00270

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0048) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 816/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.013	1.14925	34.34938	-.02924	-.00115	-.01724	-.00465	-.00651
-4.000	-4.025	1.15098	54.53012	-.02988	.00099	.03369	.00466	.00383
-4.011	.098	1.15046	91.15356	-.02722	-.00473	.09068	.01522	.01382
-3.990	3.999	1.14948	126.67150	-.02828	-.02391	.13947	.02378	.02261
	GRADIENT	-.00019	8.98889	.00020	-.00309	.01319	.00239	.00234

RUN NO. 817/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.098	1.14905	-.00681	.00214	.00316	-.02049	-.00519	-.00717
.000	-4.051	1.15055	-.00690	-.00229	.00729	.04122	.00650	.00500
-.001	-.031	1.15069	-.00688	-.00550	-.00847	.10402	.01818	.01582
-.002	4.079	1.14955	-.00676	-.00799	-.02787	.15635	.02716	.02527
	GRADIENT	-.00012	.00002	-.00070	-.00433	.01416	.00254	.00249

RUN NO. 818/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.089	1.14778	151.13280	.01342	.00562	-.00495	-.00270	-.00733
3.993	-4.043	1.15039	134.02990	.00356	-.00322	.07137	.01171	.00565
3.989	.017	1.15024	89.68417	.00651	-.02194	.13330	.02277	.01721
3.998	4.059	1.15033	45.02579	.00701	-.04176	.18277	.03073	.02729
	GRADIENT	-.00001	-10.98553	.00043	-.00476	.01375	.00235	.00267

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(SC0049) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 813/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-7.949	1.24864	34.78792	-.00752	.00384	-.01199	-.00404	-.00421
-4.012	-3.955	1.25012	55.20522	-.01240	.00289	.04297	.00658	.00463
-4.008	.004	1.25020	90.08127	-.01523	-.01539	.09645	.01636	.01331
-3.996	4.006	1.24992	126.51270	-.02197	-.03361	.14317	.02432	.02168
	GRADIENT	-.00003	8.95720	-.00120	-.00458	.01258	.00223	.00214

RUN NO. 814/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.082	1.24921	-.00681	.02988	.00668	-.01163	-.00379	-.00578
-.000	-4.037	1.25023	-.00690	.02050	-.00828	.05141	.00848	.00409
-.001	-.045	1.25008	-.00688	.01570	-.02782	.11109	.01929	.01459
-.002	3.966	1.24983	-.00675	.00403	-.04488	.15902	.02733	.02378
	GRADIENT	-.00005	.00002	-.00206	-.00457	.01344	.00235	.00246

RUN NO. 815/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-8.064	1.24864	150.85280	.04382	-.00300	.00341	-.00112	-.00869
3.997	-4.065	1.25044	133.87100	.03203	-.02594	.07244	.01163	.00193
3.990	.011	1.25042	89.76360	.01999	-.04378	.13752	.02302	.01365
4.003	4.085	1.25013	45.02547	.01110	-.05654	.18500	.03092	.02392
	GRADIENT	-.00004	-10.90097	-.00257	-.00375	.01381	.00237	.00270

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0050) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 810/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-7.968	1.29928	34.78790	.00194	.00785	-.00869	-.00337	-.00374
-4.014	-3.918	1.30064	55.52309	-.00432	-.00484	.04605	.00726	.00414
-4.002	.000	1.29977	90.12097	-.00849	-.02300	.09681	.01642	.01264
-4.006	4.088	1.29993	127.03010	-.01650	-.03988	.14196	.02413	.02110
	GRADIENT	-.00009	8.93246	-.00152	-.00437	.01197	.00211	.00212

RUN NO. 811/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.093	1.29915	-.00681	.03543	.00286	-.00794	-.00291	-.00640
.000	-4.075	1.30079	-.00690	.02869	-.01735	.05300	.00876	.00307
-.001	-.027	1.29965	-.00688	.01996	-.03607	.11284	.01942	.01334
-.002	4.087	1.29970	-.00675	.00742	-.05116	.15998	.02724	.02261
	GRADIENT	-.00013	.00002	-.00261	-.00414	.01310	.00226	.00239

RUN NO. 812/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.073	1.29901	150.77300	.05073	-.00988	.00358	-.00138	-.00923
3.993	-4.071	1.30062	133.83100	.03862	-.03509	.06984	.01103	.00029
3.991	.016	1.29991	89.64445	.02306	-.05214	.13547	.02254	.01161
4.000	4.084	1.29984	45.02566	.00632	-.06355	.18434	.03065	.02199
	GRADIENT	-.00010	-10.88881	-.00396	-.00349	.01404	.00241	.00266

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 806/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-7.961	1.34906	34.94756	.00611	.00635	-.00351	-.00252	-.00391
-4.017	-3.929	1.35034	55.72169	.00210	-.01091	.04675	.00720	.00357
-4.009	-.019	1.35005	90.12097	-.00235	-.02682	.09648	.01620	.01206
-3.995	4.000	1.34992	126.47290	-.01092	-.04254	.14201	.02394	.02075
	GRADIENT	-.00005	8.92447	-.00164	-.00399	.01201	.00211	.00217

RUN NO. 807/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.089	1.34947	-.00683	.03880	-.00163	-.00476	-.00248	-.00694
-.000	-4.039	1.35070	-.00691	.03262	-.02412	.05623	.00904	.00233
-.001	-.037	1.35048	-.00688	.02131	-.03884	.11362	.01919	.01233
-.002	3.957	1.34968	-.00675	.00707	-.05789	.16069	.02706	.02150
	GRADIENT	-.00013	.00002	-.00320	-.00422	.01306	.00225	.00240

RUN NO. 808/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-7.929	1.34867	150.33300	.05242	-.01808	.00707	-.00095	-.00922
4.008	-4.031	1.35050	133.35450	.03760	-.04109	.06906	.01056	-.00100
3.989	.009	1.34935	89.52532	.01843	-.05467	.13135	.02160	.00944
3.998	4.073	1.35045	45.06562	-.00298	-.07100	.18121	.03001	.01983
	GRADIENT	-.00001	-10.89402	-.00501	-.00369	.01384	.00240	.00257

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0052) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 803/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.959	1.40004	34.98718	.01259	.00159	.00063	-.00179	-.00375
-4.001	-4.008	1.40040	55.08651	.00775	-.01772	.05038	.00766	.00342
-4.006	.026	1.39995	90.51812	.00121	-.03293	.10014	.01665	.01213
-3.997	4.004	1.39986	126.47300	-.00739	-.04916	.14075	.02355	.01953
	GRADIENT	-.00007	8.90937	-.00189	-.00392	.01128	.00198	.00201

RUN NO. 804/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.083	1.39943	-.00683	.04046	-.00896	-.00342	-.00233	-.00735
-.000	-4.064	1.40047	-.00691	.03005	-.03148	.05472	.00859	.00078
-.001	-.039	1.39975	-.00688	.01604	-.04544	.11188	.01875	.01049
-.002	3.963	1.39990	-.00676	.00268	-.06106	.15798	.02645	.01961
	GRADIENT	-.00007	.00002	-.00341	-.00368	.01287	.00222	.00235

RUN NO. 805/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.989	-8.074	1.39953	150.69250	.05229	-.02147	.00631	-.00136	-.00935
3.994	-4.073	1.40052	133.67190	.03430	-.04507	.06468	.00954	-.00226
3.987	.016	1.39990	89.36647	.00904	-.05736	.13021	.02119	.00764
3.997	4.079	1.40031	45.02587	-.01232	-.07094	.17870	.02942	.01807
	GRADIENT	-.00003	-10.87410	-.00572	-.00317	.01399	.00244	.00249

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC0053) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1373/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.008	-7.975	1.24917	34.70777	-.02518	.02073	-.01524	-.00470	-.00458
-4.020	-3.952	1.25032	55.20483	-.02514	.02252	.04046	.00575	.00470
-4.002	.003	1.25002	90.16071	-.02322	.00362	.09322	.01545	.01336
-3.988	4.000	1.24968	126.55200	-.02303	-.01842	.14171	.02378	.02200
	GRADIENT	-.00008	8.97275	.00026	-.00515	.01273	.00227	.00218

RUN NO. 1374/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.074	1.24948	-.00680	.00961	.02896	-.01702	-.00491	-.00632
.001	-5.161	1.25033	-.00688	.00926	.02020	.02782	.00376	.00106
.000	-4.073	1.25001	-.00689	.00843	.01477	.04552	.00710	.00395
-.001	-.044	1.25022	-.00689	.00661	-.00803	.10754	.01813	.01474
-.002	4.080	1.24974	-.00677	-.00039	-.02878	.15727	.02659	.02420
	GRADIENT	-.00003	.00001	-.00108	-.00534	.01370	.00239	.00248

RUN NO. 1375/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.090	1.24902	150.93310	.02411	.01870	-.00238	-.00225	-.00897
4.001	-4.026	1.25022	133.63250	.01873	-.00637	.06863	.01069	.00220
3.994	.016	1.25030	89.72388	.01700	-.02699	.13313	.02189	.01410
4.009	4.080	1.25003	45.06484	.01389	-.03825	.18068	.02973	.02455
	GRADIENT	-.00002	-10.92637	-.00060	-.00393	.01382	.00235	.00276

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC0054) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000
LREF = 474.8100
BREF = 936.6800
SCALE = .0300

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	1.300	IEABOX	=	.000
IB-ELV	=	10.000	OB-ELV	=	5.000

PARAMETRIC DATA

RUN NO.	1377/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.007	-7.969	1.29939	34.78763	-0.1742	.02662	-.01054	-.00397	-.00385
-4.013	-3.936	1.30059	55.32442	-0.1908	.01454	.00420	.00650	.00423
-4.006	-.005	1.29963	90.08127	-0.1895	-.00493	.09527	.01567	.01282
-3.990	3.990	1.29959	126.51240	-.02200	-.02467	.14035	.02133	.02133
-3.990	GRADIENT	-.00013	8.98225	-.00037	-.00495	.01213	.00213	.00216

RUN NO.	1378/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
	.001	-8.071	1.29988	-.00680	-.01805	.02441	-.01196	-.00389	-.00658
	.000	-4.056	1.30004	-.00689	.01711	.00217	.04942	.00759	.00319
	-.001	-.039	1.29969	-.00689	.01371	-.01715	.10965	.01831	.01365
	-.002	3.972	1.29992	-.00678	.00458	-.03774	.15783	.02639	.02284
		GRADIENT	-.00001	-.00001	-.00156	-.00497	.01350	.00233	.00245

RUN NO.	1379/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	ALPHA	BETA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
1.	-8.074	3.998	1.29933	150.77360	0.3518	-	-	-	-
2.	-4.101	3.999	1.30018	134.03030	0.2731	-	0.0033	0.0238	0.0050
3.	.017	3.990	1.29996	89.68417	0.2020	-	0.1552	0.0938	0.0054
4.	4.088	4.007	1.29960	45.02518	0.0874	-	0.3393	0.2138	0.1218
5.	GRADIENT		1.29907	-10.86836	-0.0027	-	0.4903	0.2974	0.2256
6.						-	0.0409	0.0243	0.0269

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1380/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.008	-7.978	1.34949	34.90714	-.01041	.02552	-.00750	-.00330	-.00400
-4.016	-3.948	1.34998	55.52302	-.01235	.00667	.04481	.00658	.00364
-4.009	.022	1.35009	90.47841	-.01322	-.01037	.09530	.01565	.01232
-4.009	4.090	1.35005	127.07010	-.01906	-.02872	.14138	.02346	.02114
	GRADIENT	.00001	8.90055	-.00084	-.00440	.01201	.00210	.00218

RUN NO. 1381/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.014	1.34958	-.00681	.02504	.01779	-.00896	-.00331	-.00711
.000	-4.093	1.35053	-.00690	.02315	-.00654	.05068	.00777	.00221
-.001	-.049	1.34985	-.00688	.01523	-.02264	.10959	.01810	.01258
-.002	3.971	1.34944	-.00676	.00512	-.04170	.15730	.02602	.02188
	GRADIENT	-.00014	.00002	-.00223	-.00436	.01322	.00226	.00244

RUN NO. 1382/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-8.041	1.34961	150.65280	.04115	.00078	-.00088	-.00227	-.00976
3.999	-4.026	1.35014	133.43340	.03010	-.02262	.06436	.00955	-.00076
3.988	.018	1.35003	89.48561	.01652	-.03698	.12712	.02052	.00995
4.000	4.070	1.34998	45.10525	.00008	-.05276	.17773	.02894	.02055
	GRADIENT	-.00002	-10.90974	-.00371	-.00372	.01400	.00239	.00263

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC0056) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1385/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.963	1.39971	34.98721	-.00322	.02029	-.00377	-.00273	-.00420
-4.016	-3.937	1.39997	55.76149	-.00731	-.00143	.04799	.00692	.00332
-4.006	-.017	1.40013	90.24012	-.00899	-.01601	.09670	.01565	.01206
-3.992	3.998	1.40017	126.47270	-.01613	-.03433	.14002	.02297	.01995
	GRADIENT	.00003	8.91102	-.00111	-.00415	.01159	.00202	.00210

RUN NO. 1386/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.089	1.39950	-.00682	.02771	.00867	-.00752	-.00329	-.00764
.000	-4.859	1.39996	-.00690	.02380	-.00989	.03865	.00522	-.00090
-.000	-4.066	1.39984	-.00691	.02206	-.01488	.05148	.00763	.00095
-.001	-.046	1.39962	-.00688	.01203	-.02914	.10966	.01780	.01108
-.002	3.964	1.39997	-.00676	.00117	-.04513	.15631	.02554	.02051
	GRADIENT	-.00000	.00002	-.00257	-.00389	.01337	.00231	.00244

RUN NO. 1387/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.081	1.39958	150.65340	.04200	-.00469	-.00026	-.00243	-.00989
4.005	-4.012	1.40017	133.15530	.02659	-.02875	.06019	.00852	-.00225
3.992	-.006	1.39970	89.56503	.00918	-.04049	.12480	.01983	.00804
3.997	4.074	1.39973	45.02588	-.01067	-.05451	.17583	.02834	.01880
	GRADIENT	-.00005	-10.89831	-.00461	-.00319	.01429	.00245	.00260

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0057) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1388/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.933	-7.922	1.54966	34.83487	.00418	.00248	.00149	-.00220	-.00466
-3.921	-3.964	1.54946	55.32882	-.00453	-.01502	.04890	.00653	.00184
-3.905	.004	1.54901	90.75632	-.00844	-.02689	.09511	.01490	.01039
-3.907	3.943	1.54899	126.70690	-.01570	-.03981	.13188	.02126	.01797
	GRADIENT	-.00006	9.02632	-.00141	-.00313	.01049	.00186	.00204

RUN NO. 1389/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.978	1.54967	-.00677	.02590	-.00675	-.00109	-.00254	-.00771
.001	-3.969	1.54929	-.00688	.00876	-.02581	.04648	.00603	-.00163
-.001	.062	1.54880	-.00688	-.00363	-.03917	.10331	.01625	.00698
-.002	4.075	1.54937	-.00679	-.01724	-.05038	.15079	.02411	.01705
	GRADIENT	.00001	.00001	-.00323	-.00306	.01297	.00225	.00232

RUN NO. 1390/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.046	-8.123	1.54831	150.37980	.03177	-.01539	.00719	-.00188	-.00929
4.072	-4.166	1.55072	133.31890	.00764	-.03563	.05081	.00592	-.00430
4.092	.019	1.54939	88.73090	-.01512	-.04793	.11286	.01712	.00354
4.072	4.148	1.54893	45.02060	-.03518	-.05760	.16667	.02639	.01394
	GRADIENT	-.00022	-10.62075	-.00515	-.00264	.01394	.00246	.00219

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.021	-8.033	1.39899	-150.29930	.00236	.07727	-.02145	-.00686	-.00301
-3.927	-4.004	1.40055	-133.34310	-.00393	.05835	.03122	.00308	.00457
-3.847	-.080	1.39972	-89.44070	-.00630	.04144	.07889	.01208	.01237
-3.979	3.956	1.39978	-45.47211	-.01243	.01891	.12194	.01960	.02062
	GRADIENT	-.00010	11.03832	-.00107	-.00496	.01139	.00207	.00202

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-8.107	1.39931	-.00691	.03424	.06929	-.02146	-.00666	-.00602
-.003	-4.080	1.39999	.03258	.02555	.04457	.03783	.00432	.00247
-.002	-.119	1.39979	.03272	.01561	.02607	.09632	.01464	.01246
-.000	4.005	1.39939	.03280	.00464	.00607	.14569	.02293	.02217
	GRADIENT	-.00007	.00003	-.00259	-.00476	.01333	.00230	.00244

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.029	-8.059	1.39983	150.37750	.04828	.05540	-.01187	-.00536	-.00766
3.911	-3.989	1.40069	133.74600	.02951	.02878	.04921	.00567	.00011
3.856	-.041	1.40022	90.24011	.01356	.01570	.11171	.01665	.01008
3.978	3.939	1.40014	45.66377	-.00700	.00012	.16296	.02528	.02033
	GRADIENT	-.00007	-11.10999	-.00461	-.00361	.01435	.00247	.00255

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (SC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.114	-8.140	1.54801	-149.99060	.00801	.05501	-.01199	-.00538	-.00386
-4.009	-4.086	1.54934	-132.99030	-.00237	.03626	.03551	.00350	.00255
-3.936	-.068	1.54988	-88.68633	-.00630	.02227	.08178	.01202	.01063
-4.044	4.027	1.54886	-45.38800	-.01567	.00660	.11944	.01871	.01846
	GRADIENT	-.00006	10.79744	-.00164	-.00366	.01034	.00187	.00196

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.019	1.54825	.03253	.02952	.04348	-.01219	-.00518	-.00662
-.003	-3.971	1.54989	.03261	.01098	.02429	.03616	.00341	-.00025
-.002	.055	1.54902	.03272	-.00026	.01109	.09329	.01362	.00863
.000	4.100	1.54851	.03277	-.01327	-.00098	.14209	.02176	.01878
	GRADIENT	-.00017	.00002	-.00301	-.00313	.01312	.00227	.00236

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.087	-8.146	1.54827	150.14490	.03342	.03492	-.00368	-.00450	-.00776
4.003	-4.059	1.54999	133.11540	.01057	.01716	.04187	.00348	-.00214
3.931	-.022	1.54962	89.32680	-.00909	.00538	.10128	.01416	.00568
4.047	4.017	1.54885	45.53973	-.02989	-.00582	.15620	.02367	.01564
	GRADIENT	-.00014	-10.84368	-.00501	-.00285	.01416	.00250	.00220

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0060) (13 APR 92)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	976.0000	IN.	XT
LREF =	474.8100	INCHES	YMRP =	.0000	IN.	YT
BREF =	936.6800	INCHES	ZMRP =	400.0000	IN.	ZT
SCALE =	.0300					
			MACH =	.600		IEABOX = .000
			IB-ELV =	10.000		O8-ELV = 5.000

PARAMETRIC DATA

BETA	ALPHA	MACH	PHI	GRADIENT	INTERVAL =	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.903	.59916	31.87409			.01151	.00643	.00135	-.00052	-.00531
-4.007	-3.999	.60043	52.34335			.00905	.00755	.04126	.00610	.00470
-4.004	.059	.60024	91.51099			.00724	.00763	.08386	.01330	.01575
-3.998	4.001	.60035	129.09750			.00723	.00151	.12652	.02101	.02590
	GRADIENT	-.00001	9.59478			-.00023	-.00075	.01066	.00186	.00265
BETA	ALPHA	MACH	PHI	GRADIENT	INTERVAL =	CHEI	CHEO	CNW	CBW	CTW
.001	-7.912	.59934	-.00681			.02076	.01040	-.00872	-.00252	-.00659
.000	-4.023	.60044	-.00688			.01928	.01026	.03270	.00484	.00420
-.000	.109	.60031	-.00689			.01847	.00941	.07900	.01299	.01634
-.001	3.982	.60067	-.00685			.01694	.00334	.12386	.02119	.02716
	GRADIENT	.00003	.00000			-.00029	-.00086	.01139	.00204	.00287
BETA	ALPHA	MACH	PHI	GRADIENT	INTERVAL =	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.090	.59871	153.33470			.03528	.01256	-.01128	-.00321	-.00708
3.995	-3.991	.60028	135.74130			.03311	.01070	.04059	.00590	.00619
3.989	-.032	.60058	89.44588			.03119	.00834	.08960	.01462	.01857
3.997	3.963	.60010	43.43401			.02762	.00176	.13725	.02356	.03014
	GRADIENT	-.00002	-11.60584			-.00069	-.00112	.01215	.00222	.00301

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(SC0061) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1356/ O				RN/L = 2.50				GRADIENT INTERVAL = -5.00/				5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	
-4.009	-8.051	.89923	32.95177	-.01131	-.00065	-.00045	-.00138	-4.009	-8.051	.89923	32.95177	-.01131	-.00065	-.00045	-.00138	-.00695
-4.004	-3.999	.90026	53.77467	-.01142	.00381	.04237	.00624	-4.004	-3.999	.90026	53.77467	-.01142	.00381	.04237	.00624	.00291
-4.000	.060	.89963	91.27269	-.01254	.01085	.08919	.01424	-4.000	.060	.89963	91.27269	-.01254	.01085	.08919	.01424	.01394
-3.998	3.998	.89965	127.54660	-.00887	.00619	.13853	.02267	-3.998	3.998	.89965	127.54660	-.00887	.00619	.13853	.02267	.02521
	GRADIENT	-.00008	9.22502	.00032	.00030	.01202	.00205		GRADIENT	-.00008	9.22502	.00032	.00030	.01202	.00205	.00279

RUN NO. 1357/ O				RN/L = 2.50				GRADIENT INTERVAL = -5.00/				5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	
.001	-8.061	.89955	-.00680	-.00091	.00411	-.01542	-.00407	.001	-8.061	.89955	-.00680	-.00091	.00411	-.01542	-.00407	-.00939
.000	-4.042	.89987	-.00689	.00164	.00758	.03300	.00451	.000	-4.042	.89987	-.00689	.00164	.00758	.03300	.00451	.00281
-.000	-.048	.90013	-.00689	.00643	.01626	.08461	.01349	-.000	-.048	.90013	-.00689	.00643	.01626	.08461	.01349	.01560
-.001	3.960	.89955	-.00683	.00639	.01081	.13575	.02211	-.001	3.960	.89955	-.00683	.00639	.01081	.13575	.02211	.02770
	GRADIENT	-.00004	.00001	.00059	.00040	.01284	.00220		GRADIENT	-.00004	.00001	.00059	.00040	.01284	.00220	.00311

RUN NO. 1358/ O				RN/L = 2.50				GRADIENT INTERVAL = -5.00/				5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW	
3.996	-7.971	.89972	151.81330	.01526	.00703	-.00908	-.00326	3.996	-7.971	.89972	151.81330	.01526	.00703	-.00908	-.00326	-.00777
3.993	-4.068	.90042	134.98490	.01882	.01018	.04472	.00621	3.993	-4.068	.90042	134.98490	.01882	.01018	.04472	.00621	.00599
3.979	.029	.90025	88.77079	.02200	.01686	.10449	.01670	3.979	.029	.90025	88.77079	.02200	.01686	.10449	.01670	.02016
3.996	3.997	.89976	44.50862	.01967	.00646	.15337	.02466	3.996	3.997	.89976	44.50862	.01967	.00646	.15337	.02466	.03114
	GRADIENT	-.00008	-11.21883	.00011	-.00045	.01348	.00229		GRADIENT	-.00008	-11.21883	.00011	-.00045	.01348	.00229	.00312

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0062) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1359/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-4.000	-8.007	1.09916	34.22974	-.02554	.02047
-3.998	-4.008	1.09967	54.68921	-.02592	.02411
-4.005	.020	1.10022	90.71670	-.02186	.02294
-3.992	4.001	1.09970	126.94990	-.02029	.00426
	GRADIENT	.00000	9.02311	.00070	-.00247
RUN NO. 1360/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
.001	-8.001	1.09942	-.00681	.00457	.02883
.000	-4.064	1.10109	-.00690	.00085	.03174
-.001	-.055	1.10055	-.00688	.00230	.02622
-.002	3.960	1.09981	-.00678	-.00609	.00155
	GRADIENT	-.00016	.00001	-.00086	-.00376
RUN NO. 1361/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
3.995	-7.972	1.09817	150.89320	.01274	.03052
4.001	-3.995	1.10089	133.51320	.00848	.03272
3.990	.023	1.10103	89.04877	.01044	.01289
4.000	4.010	1.09801	45.14505	.00804	-.01245
	GRADIENT	-.00036	-11.03972	-.00005	-.00564

CTW CBW CNW CTW CBW CNW CTW CBW CNW CTW CBW CNW CTW CBW CNW

-.00776 -.00673 -.03253 -.00792 -.00703 -.03425 -.00792 -.00703 -.03425 -.00792 -.00703 -.03425 -.00792 -.00703 -.03425

.00265 .01204 .01706 .00443 .00301 .02117 .00443 .00301 .02117 .00443 .00301 .02117 .00443 .00301 .02117

.01346 .01155 .07137 .01662 .01455 .08462 .01662 .01455 .08462 .01662 .01455 .08462 .01662 .01455 .08462

.02267 .02166 .12662 .02621 .02485 .14328 .02621 .02485 .14328 .02621 .02485 .14328 .02621 .02485 .14328

.00250 .00245 .01368 .00271 .00272 .01522 .00271 .00272 .01522 .00271 .00272 .01522 .00271 .00272 .01522

5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/

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5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/

5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/ 5.00 5.00 -5.00/

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 230

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2 (SC0063) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1362/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.975	1.14948	34.54832	-.02503	.01997	-.02646	-.00607	-.00636
-4.012	-3.964	1.15182	55.04623	-.02389	.02621	.02560	.00315	.00447
-4.002	.018	1.15057	90.35927	-.02106	.02226	.08156	.01338	.01432
-3.993	4.001	1.14971	126.71130	-.02105	.00020	.13328	.02246	.02317
	GRADIENT	-.00027	8.99734	.00036	-.00327	.01352	.00242	.00235

RUN NO. 1363/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.054	1.14920	.03257	.00691	.02774	-.02988	-.00675	-.00714
-.000	-4.036	1.15101	-.00691	.00518	.03455	.03276	.00479	.00547
-.001	-.017	1.15009	-.00688	.00175	.01631	.09732	.01665	.01645
-.002	3.970	1.14964	-.00677	-.00097	-.01015	.15158	.02611	.02563
	GRADIENT	-.00017	.00002	-.00077	-.00558	.01484	.00266	.00252

RUN NO. 1364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.081	1.14705	151.05340	.01966	.03088	-.01410	-.00430	-.00698
3.994	-4.080	1.15099	134.18910	.01163	.02406	.06260	.00995	.00610
3.989	.009	1.15071	89.68417	.00986	-.00331	.12809	.02154	.01779
4.001	4.047	1.15035	45.06538	.01141	-.02440	.17807	.02950	.02784
	GRADIENT	-.00008	-10.96554	-.00003	-.00596	.01421	.00241	.00267

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(SC0064) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.974	1.24923	34.74783	-.00442	.02716	-.02308	-.00565	-.00417
-4.018	-3.946	1.25056	55.32418	-.00843	.02716	.03428	.00504	.00512
-4.008	-.003	1.25014	90.08127	-.00985	.00695	.08918	.01497	.01402
-3.989	4.007	1.24947	126.63160	-.01550	-.01708	.13812	.02344	.02221
	GRADIENT	-.00014	8.96670	-.00089	-.00556	.01306	.00231	.00215

RUN NO. 1366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.059	1.24933	.03258	.03333	.02955	-.02154	-.00533	-.00583
.000	-4.049	1.25038	-.00690	.02484	.01531	.04257	.00685	.00434
-.001	-.028	1.25002	-.00688	.02141	-.00741	.10510	.01796	.01514
-.002	3.973	1.24993	-.00676	.00816	-.03118	.15506	.02647	.02417
	GRADIENT	-.00006	.00002	-.00208	-.00580	.01402	.00245	.00247

RUN NO. 1367/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.899	1.24905	150.33350	.04807	.01787	-.00243	-.00192	-.00809
3.995	-4.057	1.25013	133.79130	.03737	-.00545	.06527	.01035	.00242
3.995	.012	1.25003	89.60474	.02635	-.02711	.13199	.02184	.01429
4.000	4.081	1.24976	44.98585	.01518	-.04131	.18138	.03002	.02454
	GRADIENT	-.00004	-10.91179	-.00273	-.00441	.01427	.00242	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 722/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.897	.59891	31.99429	.01005	-.00018	-.00650	-.00009	-.00915
-4.001	-4.012	.59921	52.38344	.00752	.00056	.03544	.00707	.00119
-4.008	.105	.59980	92.10671	.00575	-.00167	.08056	.01496	.01223
-4.002	4.002	.60008	129.09770	.00428	-.00895	.12597	.02327	.02310
	GRADIENT	.00011	9.57261	-.00040	-.00118	.01129	.00202	.00273

RUN NO. 723/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.930	.59889	-.00682	.01753	.00342	-.01303	-.00159	-.01016
.000	-3.934	.60097	-.00689	.01437	.00266	.03221	.00662	.00136
-.000	.059	.60059	-.00689	.01436	-.00093	.07886	.01504	.01305
-.001	4.052	.60080	-.00685	.01258	-.00889	.12724	.02412	.02485
	GRADIENT	-.00002	.00001	-.00023	-.00145	.01190	.00219	.00294

RUN NO. 724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.042	.59911	153.17450	.02814	.00379	-.01253	-.00182	-.01041
3.996	-4.006	.60096	135.78120	.02567	.00162	.03990	.00764	.00252
3.994	-.045	.60064	89.68416	.02419	-.00286	.09143	.01707	.01557
4.000	3.967	.60002	43.51343	.02146	-.01192	.14140	.02668	.02765
	GRADIENT	-.00012	-11.57214	-.00053	-.00170	.01273	.00239	.00315

IA613A(AEDC 16TF-829) B/L OT + ASRM. PLUMES OFF (SC0066) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

PARAMETRIC DATA

MACH	=	.800	IEABOX	=	180.000
IB-ELV	=	10.000	OB-ELV	=	9.000

RUN NO.	725/ 0	RN/L =	2.49	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
	-3.998	-8.007	.79974	32.59370	-.01370	-.00393	-.00690	-.00065	-.01046
	-4.003	-3.963	.80049	53.61570	-.01336	-.00242	.03846	.00741	.00026
	-4.004	.041	.80014	91.11384	-.01148	-.00252	.08608	.01558	.01179
	-3.998	4.055	.79949	128.22260	-.00772	-.00719	.13790	.02487	.02417
		GRADIENT	-.00012	9.30442	-.00070	-.00059	.01240	.00218	.00298

PI/N	NO	726/0	RN/I =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
.001	-8.026	.80000	-.00681	-.00236	.00098	-.01469	-.00251	-.01189
.000	-4.023	.79997	-.00689	-.00164	.00132	.03435	.00645	.00028
.000	.79977	.03269	.00110	-.00025	.08662	.01574	.01346	.01346
.001	4.086	.79902	-.00683	.00464	-.00657	.14114	.02581	.02664
	GRADIENT	.00012	.00005	.00077	-.00097	.01316	.00239	.00325

RUN NO	727 / Q	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
BETA								
3.998	-8.005	8.0002	152.25360	.01482	.00246	-.00845	-.00178	-.01070
3.997	-4.039	8.0037	135.18420	.01478	.00193	.04651	.00818	.00283
3.996		8.0004	89.72388	.01538	.00257	.10252	.01829	.01662
3.995	3.986	.79985	44.38931	.01782	-.00988	.16016	.02907	.03024
GRADIENT		-.00007	-11.31425	.00038	-.00147	.01416	.00260	.00342

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0067) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LRF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
				MACH	=	.900		IEABOX = 180.0000
				TB-ELV	=	10.000		OB-ELV = 9.0000

PARAMETRIC DATA

RUN NO.	728/	0	MACH	PHI	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA										
-8.055			.89927	32.99301			CHEI	CHEO	CNW	CBW
-3.990			.90007	53.97352			- .01583	- .00581	- .01445	- .00310
.008			.90024	90.71669			- .01794	- .00170	.03254	.00554
3.994			.90003	127.38720			- .02008	.00336	.08209	.01436
GRADIENT			- .00000	9.19431			- .01820	- .00488	.13549	.02361
							- .00003	- .00040	.01289	.00226
RUN NO.	729/	0	MACH <th>PHI</th> <th>RN/L =</th> <th>2.50</th> <th>GRADIENT</th> <th>INTERVAL =</th> <th>-5.00/</th> <th>5.00</th>	PHI	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA										
-8.034			.90011	- .00680			CHEI	CHEO	CNW	CBW
-4.535			.90015	- .00688			.00130	- .00805	- .02385	- .00473
-3.900			.90007	- .00689			.00086	- .00376	.02219	.00361
.090			.89954	- .00689			.00093	- .00313	.03099	.00521
3.967			.89950	.03264			.00465	.00350	.08684	.01544
GRADIENT			- .00008	.00428			.01016	- .00565	.14036	.02457
							.00110	- .00006	.01391	.00247
RUN NO.	730/	0	MACH <th>PHI</th> <th>RN/L =</th> <th>2.50</th> <th>GRADIENT</th> <th>INTERVAL =</th> <th>-5.00/</th> <th>5.00</th>	PHI	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA										
-7.984			.89977	151.73340			CHEI	CHEO	CNW	CBW
-4.048			.89999	134.70670			.02121	- .00785	- .01520	- .00353
.049			.90009	88.61193			.02306	- .00273	.04405	.00724
4.005			.89971	44.70758			.02118	.00268	.10762	.01861
GRADIENT			- .00003	-11.17592			.02497	- .01248	.16138	.02766
							.00023	- .00120	.01457	.00254

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(SC0068) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI
-3.996	-8.059	.94921	33.27246
-4.009	-3.996	.95018	54.25141
-4.003	-.002	.94988	90.43870
-3.988	3.985	.94980	127.06890
GRADIENT	GRADIENT	GRADIENT	GRADIENT
RUN NO. 733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI
.001	-8.036	.95019	-.00683
.000	-4.026	.95022	-.00689
-.001	-.022	.95004	-.00689
-.001	4.074	.94810	-.00682
GRADIENT	GRADIENT	GRADIENT	GRADIENT
RUN NO. 734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI
3.996	-7.942	.94960	151.37320
3.998	-4.041	.95012	134.42820
3.996	-.001	.95054	89.44588
3.999	3.998	.94905	44.90639
GRADIENT	GRADIENT	GRADIENT	GRADIENT

RUN NO. 732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
CHEI	CHEO	CNW	CTW
-.03076	-.00869	-.01850	-.00389
-.02311	-.00947	.02954	.00503
-.02529	-.01220	.08057	.01429
-.02391	-.01676	.13561	.02453
-.00010	-.00091	.01329	.00244
GRADIENT	GRADIENT	GRADIENT	GRADIENT
RUN NO. 733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
CHEI	CHEO	CNW	CTW
-.00745	-.00909	-.02885	-.00558
-.00234	-.01073	.02551	.00451
-.00431	-.00751	.08175	.01482
.00435	-.02164	.14503	.02602
.00083	-.00135	.01476	.00266
GRADIENT	GRADIENT	GRADIENT	GRADIENT
RUN NO. 734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00			
CHEI	CHEO	CNW	CTW
.00675	-.01168	-.01697	-.01082
.01372	-.00713	.04271	.00376
.01544	-.01079	.10786	.00725
.01415	-.02862	.16601	.01909
.00005	-.00267	.02883	.01640
GRADIENT	GRADIENT	GRADIENT	GRADIENT

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(SC0069) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 735/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-3.997	-7.964	1.04957	34.27002	-.02437	-.00586
-4.007	-3.961	1.05060	54.84772	-.03190	-.00185
-4.002	-.006	1.05018	90.12097	-.02936	-.00167
-3.999	4.084	1.05011	127.14900	-.03099	-.02375
	GRADIENT	-.00006	8.98808	.00011	-.00274
				CNW	CBW
				-.03469	-.00632
				.01889	.00350
				.07368	.01316
				.13431	.02433
				.01435	.00259
					CTW
					-.00971
					.00066
					.01181
					.02216
					.00267
RUN NO. 736/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
.001	-8.037	1.05112	-.00684	-.00067	-.00184
-.000	-4.035	1.05064	-.00691	-.01102	.00219
-.001	-.023	1.04965	-.00688	-.00776	.00021
-.002	3.980	1.04968	-.00677	-.02934	-.02093
	GRADIENT	-.00012	.00002	-.00228	-.00288
				CNW	CBW
				-.03654	-.00673
				.02238	.00431
				.08718	.01622
				.14844	.02664
				.01573	.00279
					CTW
					-.01057
					.00157
					.01429
					.02459
					.00287
RUN NO. 737/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO
3.999	-8.068	1.04979	151.13360	.01126	.00010
3.997	-4.012	1.05097	133.75160	.00138	.00419
3.994	.019	1.05033	89.56503	.00160	-.00893
3.995	3.989	1.04978	45.58307	-.01805	-.04176
	GRADIENT	-.00015	-11.01964	-.00242	-.00574
				CNW	CBW
				-.02506	-.00484
				.05013	.00896
				.12143	.02162
				.18114	.03172
				.01638	.00284
					CTW
					-.01085
					.00408
					.01709
					.02707
					.00287

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0070) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.095	1.09720	33.91085	.00371	-.00275	-.04448	-.00772	-.00926
-4.011	-3.961	1.10108	55.12577	-.00868	.00033	.00993	.00224	.00105
-4.001	-.000	1.10037	90.39897	-.01475	.00020	.06489	.01196	.01185
-3.997	4.095	1.09979	127.34770	-.03168	-.02240	.12512	.02294	.02131
	GRADIENT	-.00016	8.96600	-.00286	-.00284	.01430	.00257	.00251

RUN NO. 739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.044	1.10170	-.00680	.02520	-.00150	-.04144	-.00729	-.00966
.000	-4.739	1.10104	-.00689	.01215	.00110	.00658	.00178	-.00004
.000	-4.041	1.10007	-.00690	.01078	.00146	.01664	.00361	.00224
-.001	-.026	1.10028	-.00688	.00332	-.00128	.08213	.01566	.01455
-.002	3.968	1.09914	-.00680	-.01508	-.02291	.14119	.02596	.02417
	GRADIENT	-.00016	.00001	-.00303	-.00263	.01557	.00280	.00280

RUN NO. 740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.069	1.10038	151.05330	.03701	-.00071	-.02666	-.00511	-.01000
3.997	-4.075	1.10049	133.99040	.01985	.00455	.04463	.00807	.00387
3.996	.013	1.10051	89.32674	.00397	-.01102	.11695	.02103	.01641
4.003	4.061	1.09966	45.06527	-.00089	-.04379	.17541	.03118	.02669
	GRADIENT	-.00010	-10.93026	-.00255	-.00594	.01608	.00284	.00281

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	1.150	IEABOX	=	180.000
IB-ELV	=	10.000	OB-ELV	=	9.000

PARAMETRIC DATA

RUN NO.	741/ 0	PHI	CHEI	CHEO	CNW	CBW
ALPHA						
-7.961	1.14755	34.58929	.00165	-.00291	-.03839	-.0070
-3.954	1.15084	55.16537	-.00384	.00081	.01656	.00291
-.009	1.14981	90.08127	-.01086	-.00046	.01351	.01351
4.006	1.14979	126.55210	-.02737	-.02225	.12845	.02311
GRADIENT	-.00013	8.96863	-.00296	-.00290	.01406	.00255

[illegible]

RUN NO.	743/ 0	MACH	PHI	GRADIENT INTERVAL = 2.50				-5.00/	5.00
ALPHA				CHEI	CHEO	CNW	CBW		
-8.045		1.14790	150.89310	.04523	-.00128	-.02005	-.00444		
-4.022		1.15203	133.59300	.02759	-.00593	.05740	.01021		
.013		1.15113	89.64445	.01395	-.02580	.01241	.02211		
4.093		1.14956	44.98559	.00186	-.05494	.18078	.03161		
GRADIENT		1.00031	-10.91980	-.00317	-.00604	.01520	.00261		

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0072) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 745/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.964	1.24881	34.82772	.02262	-.00085	-.03214	-.00637	-.00528
-4.015	-3.941	1.24930	55.44355	.01280	-.00238	.02602	.00479	.00345
-4.003	-.008	1.24983	90.08127	.00452	-.01760	.08205	.01507	.01203
-3.986	3.998	1.25035	126.47240	-.01062	-.03479	.13205	.02357	.02061
	GRADIENT	.00013	8.94723	-.00295	-.00408	.01335	.00237	.00216

RUN NO. 746/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.060	1.25028	-.00684	.04352	-.00047	-.02711	-.00550	-.00680
-.000	-4.039	1.25038	-.00691	.03181	-.01323	.03659	.00684	.00259
-.001	-.024	1.24955	-.00688	.02315	-.03113	.09943	.01821	.01275
.001	3.969	1.25029	.03273	.00754	-.04735	.15009	.02667	.02224
	GRADIENT	-.00001	.00494	-.00303	-.00426	.01417	.00248	.00245

RUN NO. 747/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.069	1.24960	150.73340	.05287	-.00681	-.01148	-.00294	-.01027
4.002	-4.032	1.25041	133.39390	.03948	-.02998	.05941	.01026	-.00021
3.995	.007	1.25035	89.60474	.02608	-.04481	.12709	.02198	.01147
4.007	4.096	1.24987	45.06501	.00732	-.06312	.17934	.03081	.02194
	GRADIENT	-.00007	-10.86799	-.00396	-.00408	.01475	.00253	.00272

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.967	1.24944	34.86808	.02822	.02163	-.04049	-.00807	-.00492
-4.015	-3.945	1.25010	55.52306	.01781	.02136	.01846	.00296	.00405
-3.998	-.005	1.25041	90.16070	.01107	.00349	.07689	.01355	.01293
-3.988	3.995	1.24988	126.51230	-.00341	-.01929	.12781	.02238	.02148
	GRADIENT	-.00003	8.94105	-.00267	-.00512	.01377	.00245	.00219

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.038	1.25007	-.00680	.05006	.02196	-.03423	-.00706	-.00644
.001	-5.156	1.25035	-.00688	.04190	.01337	.01181	.00170	.00044
.000	-4.030	1.25005	-.00690	.03865	.00830	.03034	.00518	.00331
-.001	-.018	1.24963	-.00688	.03114	-.01227	.09475	.01665	.01381
-.002	3.974	1.24971	-.00677	.01478	-.03373	.14792	.02565	.02325
	GRADIENT	-.00004	.00002	-.00298	-.00525	.01469	.00256	.00249

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.087	1.24929	150.85310	.05986	.01356	-.01825	-.00433	-.00943
3.999	-4.108	1.25015	133.95070	.04781	-.01249	.05348	.00874	.00090
3.995	.016	1.25009	89.40618	.03315	-.03176	.12383	.02082	.01273
4.004	4.083	1.24914	45.02540	.01506	-.04768	.17674	.02961	.02326
	GRADIENT	-.00012	-10.85627	-.00400	-.00430	.01505	.00255	.00273

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0074) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1431/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.958	1.29979	34.94799	.03559	.02450	-.03370	-.00707	-.00384
-4.020	-3.942	1.30005	55.64205	.02343	.01123	.02373	.00383	.00386
-3.997	-.013	1.29996	90.16070	.01451	-.00710	.07963	.01388	.01230
-3.983	3.996	1.29974	126.51200	.00173	-.02741	.12756	.02213	.02092
	GRADIENT	-.00004	8.92871	-.00274	-.00487	.01308	.00231	.00215

RUN NO. 1432/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.063	1.29976	-.00680	.05101	.01901	-.02819	-.00601	-.00669
.000	-4.039	1.30001	-.00689	.04083	-.00425	.03463	.00575	.00255
-.000	-.022	1.30009	.03269	.03054	-.02236	.09779	.01689	.01253
-.002	3.970	1.30016	-.00678	.01531	-.04195	.14975	.02560	.02188
	GRADIENT	.00002	.00002	-.00319	-.00471	.01438	.00248	.00241

RUN NO. 1433/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.078	1.29955	150.73320	.05971	.00436	-.01646	-.00434	-.00993
4.003	-4.020	1.30027	133.27460	.04679	-.02272	.05321	.00840	-.00044
3.996	.021	1.30025	89.40618	.02640	-.03918	.12218	.02027	.01051
4.005	4.094	1.29976	45.02535	.00620	-.05543	.17696	.02940	.02121
	GRADIENT	-.00006	-10.87636	-.00500	-.00403	.01525	.00259	.00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0075) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.350						
IB-ELV	=	10.000						
IEABOX	=	180.000						
OB-ELV	=	5.000						

PARAMETRIC DATA

RUN NO.	1435/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.019	1.34953	34.86794	.04180	.02410	-.02940	-.00631	-.00398
-4.002	-4.024	1.35011	55.12624	.02965	.00319	.02483	.00384	.00329
-3.999	-.006	1.34992	90.31955	.01802	-.01367	.08048	.01389	.01177
-3.983	3.992	1.34965	126.47230	.00473	.03224	.12899	.02217	.02063
GRADIENT		-.00006	8.90086	-.00311	-.00430	.01300	-.00329	.00216

RUN NO.	1436/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
.001	-8.103	1.34944	-.00681	.05241	-.01474	-.02551	-.00356	-.00717
.000	-4.048	1.35053	-.00690	.04193	-.01231	.03697	.00589	.00172
.000	-1.34984	1.35070	.03270	.02761	-.02840	.09812	.01665	.01136
.002	3.963	1.34948	-.00676	.01257	-.04638	.14951	.02519	.02090
GRADIENT		1.30013	.00002	-.00367	-.00425	.01405	.00241	.02039

RIJN NO.	1437 / 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
3.997	-8.084	1.34933	150.69340	.05891	-.00247	-.01448	-.00426	-.01013
4.001	-4.001	1.34995	133.11530	.04182	-.03945	.05320	.00807	-.00185
4.000	-.001	1.34996	89.52532	.01837	-.04309	.11753	.01927	.00821
4.000	4.042	1.34974	45.30419	.00469	-.03776	.17215	.02834	.01902
GRADIENT		.00003	10.91787	-.00578	-.00352	.01479	.00252	.00260

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0076) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1438/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.957	1.40011	35.10718	.04801	.01930	-.02370	-.00534	-.00401
-4.017	-3.943	1.40013	55.96015	.03393	-.00550	.02905	.00445	.00316
-4.007	.002	1.40019	90.51812	.01893	-.02110	.08258	.01404	.01149
-3.982	3.991	1.40011	126.43250	.00382	-.03841	.12853	.02185	.01933
	GRADIENT	-.00000	8.88252	-.00380	-.00415	.01254	.00219	.00204

RUN NO. 1439/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.091	1.39962	-.00682	.05190	.00602	-.02239	-.00524	-.00758
.000	-4.865	1.40001	-.00690	.04046	-.01432	.02417	.00320	-.00139
-.000	-4.026	1.40031	-.00691	.03706	-.01955	.03726	.00563	.00043
-.001	-.033	1.39975	-.00688	.01913	-.03587	.09835	.01632	.00979
-.002	3.965	1.39990	-.00676	.00385	-.05012	.14887	.02472	.01933
	GRADIENT	-.00003	.00002	-.00418	-.00400	.01420	.00245	.00235

RUN NO. 1440/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.082	1.40004	150.61370	.05633	-.00694	-.01237	-.00419	-.01002
4.009	-4.050	1.40031	133.27490	.03459	-.03550	.04813	.00680	-.00335
3.998	.020	1.40049	89.04876	.00812	-.04683	.11503	.01855	.00627
4.000	4.045	1.40013	45.26441	-.01573	-.05902	.16917	.02761	.01717
	GRADIENT	-.00002	-10.87271	-.00622	-.00291	.01496	.00257	.00253

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0077) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1441/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.940	-7.936	1.54891	34.87407	.05171	.00361	-.01630	-.00446	-.00459
-3.917	-3.971	1.54955	55.40850	.03179	-.01604	.03102	.00416	.00150
-3.901	-.025	1.54931	90.71660	.01442	-.03286	.08100	.01313	.00957
-3.919	3.934	1.54959	126.58830	-.00431	-.04465	.12183	.02013	.01702
	GRADIENT	.00000	9.00420	-.00457	-.00362	.01149	.00202	.00196

RUN NO. 1442/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.943	1.54887	.03260	.04522	-.00745	-.01341	-.00422	-.00741
-.001	-3.940	1.54991	.03266	.02054	-.02913	.03411	.00424	-.00168
-.000	-.068	1.54908	.03269	-.00206	-.04672	.09212	.01454	.00603
-.001	4.054	1.54885	-.00681	-.01829	-.05564	.14296	.02307	.01598
	GRADIENT	-.00013	-.00493	-.00486	-.00332	.01362	.00236	.00221

RUN NO. 1443/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.042	-8.147	1.54870	150.45920	.03788	-.01662	-.00525	-.00371	-.00950
4.071	-4.160	1.55000	133.15970	.01043	-.03866	.03930	.00408	-.00449
4.098	.019	1.54937	88.57201	-.01729	-.05461	.10343	.01560	.00262
4.069	4.115	1.54922	45.21978	-.04001	-.06232	.15988	.02540	.01261
	GRADIENT	-.00009	-10.62700	-.00610	-.00286	.01457	.00258	.00207

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1559/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.040	-8.050	1.39943	35.10338	.05293	.08378	-.03691	-.00896	-.00258
-4.063	-3.921	1.39987	56.55417	.03678	.05367	.01832	.00126	.00494
-4.071	-.014	1.40069	90.55788	.01968	.03255	.07242	.01093	.01320
-4.053	3.987	1.39965	126.27710	.00558	.00822	.11958	.01905	.02106
	GRADIENT	-.00003	8.81737	-.00394	-.00575	.01280	.00225	.00204

RUN NO. 1560/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.018	1.39952	-.00712	.05543	.06743	-.03324	-.00834	-.00581
-.003	-4.879	1.39979	-.00709	.04171	.04124	.01304	.00003	.00021
-.004	-4.010	1.40021	-.00707	.03758	.03531	.02666	.00252	.00215
-.005	-.034	1.39961	-.00682	.02035	.01577	.08801	.01322	.01145
-.006	4.002	1.39889	-.00649	.00541	-.00273	.13955	.02193	.02103
	GRADIENT	-.00012	.00007	-.00409	-.00490	.01432	.00248	.00235

RUN NO. 1561/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.046	1.39997	150.41400	.05931	.05212	-.02256	-.00730	-.00807
3.987	-4.024	1.39988	133.03480	.03595	.01920	.03765	.00363	-.00137
3.977	.010	1.40044	88.81050	.00961	.00567	.10501	.01538	.00823
3.988	4.047	1.39973	45.02652	-.01525	-.00947	.16032	.02471	.01898
	GRADIENT	-.00002	-10.90442	-.00634	-.00355	.01520	.00261	.00252

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0079) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1563/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.982	-7.934	1.54903	35.18896	.05371	.05463	-.02492	-.00709	-.00307
-3.977	-3.871	1.54918	56.59791	.03133	.03199	.02405	.00172	.00312
-3.966	-.015	1.54897	90.99464	.01444	.01375	.07335	.01048	.01119
-3.980	3.943	1.54971	126.55160	-.00378	-.00225	.11431	.01758	.01867
	GRADIENT	.00007	8.95170	-.00449	-.00438	.01154	.00203	.00199

RUN NO. 1564/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.988	1.54922	-.00712	.04556	.04158	-.02218	-.00685	-.00604
-.004	-3.934	1.55008	-.00705	.01957	.01740	.02567	.00160	-.00017
-.005	.070	1.54907	-.00681	-.00166	.00035	.08340	.01169	.00781
-.005	4.070	1.54731	-.00655	-.01759	-.01024	.13498	.02043	.01766
	GRADIENT	-.00035	.00006	-.00464	-.00345	.01366	.00235	.00223

RUN NO. 1565/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.046	-8.125	1.54866	150.29970	.03751	.03238	-.01273	-.00630	-.00774
4.061	-4.089	1.54841	132.56220	.01116	.01247	.03135	.00132	-.00256
4.083	.021	1.54993	88.17487	-.01576	-.00497	.09370	.01255	.00449
4.061	4.094	1.54893	45.14075	-.03860	-.01546	.15072	.02255	.01425
	GRADIENT	.00006	-10.68378	-.00608	-.00341	.01459	.00260	.00205

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.2

(SC0080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 756/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.037	.60009	31.39551	-.00194	-.00107	.00209	.00095	-.00856
-3.999	-4.000	.59999	52.26428	-.00324	.00010	.04283	.00800	.00171
-4.005	.051	.60102	91.31242	-.00428	-.00245	.08590	.01551	.01252
-4.004	3.901	.60012	128.18320	-.00452	-.00959	.12881	.02325	.02311
	GRADIENT	.00002	9.60901	-.00016	-.00122	.01088	.00193	.00271

RUN NO. 757/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.941	.59991	-.00681	.00812	.00293	-.00656	-.00073	-.00972
.000	-3.929	.60042	-.00689	.00634	.00249	.03678	.00708	.00156
-.000	.073	.60083	-.00689	.00529	-.00094	.08256	.01532	.01318
-.001	4.051	.60032	-.00684	.00400	-.00845	.12911	.02406	.02471
	GRADIENT	-.00001	.00001	-.00029	-.00137	.01157	.00213	.00290

RUN NO. 758/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.048	.59955	153.25480	.02013	.00278	-.00651	-.00120	-.00980
3.999	-4.007	.60103	135.90070	.01859	.00087	.04413	.00791	.00294
3.994	-.043	.60042	89.92244	.01654	-.00329	.09437	.01714	.01569
3.996	4.003	.60007	43.27489	.01370	-.01164	.14323	.02556	.02762
	GRADIENT	-.00012	-11.56470	-.00061	-.00156	.01237	.00233	.00308

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 760/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.037	.79964	32.35421	-.01690	-.00460	.00531	.00095	-.00923
-4.005	-3.957	.80025	53.41682	-.01545	-.00223	.04792	.00846	.00125
-4.004	.060	.79994	91.15355	-.01432	-.00263	.09284	.01624	.01241
-3.994	3.999	.79982	127.82480	-.01195	-.00901	.14165	.02497	.02446
	GRADIENT	-.00005	9.35306	.00044	-.00085	.01178	.00208	.00292

RUN NO. 761/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.904	.79994	-.00681	-.00685	.00003	-.00498	-.00114	-.01081
.000	-3.927	.80054	-.00689	-.00639	.00070	.04122	.00771	.00093
-.001	.089	.79984	-.00689	-.00419	-.00079	.09019	.01601	.01352
-.001	4.097	.79929	-.00682	-.00232	-.00750	.14222	.02561	.02633
	GRADIENT	-.00016	.00001	.00051	-.00102	.01259	.00229	.00317

RUN NO. 762/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.019	.79967	152.41350	.00897	.00139	-.00195	-.00105	-.01005
3.996	-4.036	.80079	135.34330	.01007	.00069	.05145	.00856	.00334
3.985	-.046	.80040	90.12100	.01106	-.00321	.10539	.01840	.01669
4.006	3.924	.79982	44.82626	.01140	-.01007	.15836	.02848	.02967
	GRADIENT	-.00012	-11.37104	.00017	-.00135	.01343	.00250	.00331

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0082) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 765/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.993	-8.076	.89956	32.75384	-.02055	-.00734	-.00059	-.00102	-.00913
-4.006	-3.987	.90035	53.81430	-.01939	-.00514	.04431	.00725	.00080
-4.005	.105	.90008	91.55070	-.02193	-.00268	.09414	.01610	.01181
-3.992	4.003	.89989	127.34750	-.01948	-.00796	.14717	.02561	.02345
	GRADIENT	-.00006	9.20387	-.00002	-.00034	.01287	.00230	.00283

RUN NO. 766/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.910	.90074	-.00683	-.01312	-.00596	-.01199	-.00302	-.01175
.000	-4.528	.90005	-.00690	-.01064	-.00402	.03035	.00475	-.00163
-.002	-3.906	.89981	.03265	-.00991	-.00349	.03814	.00620	.00031
-.000	-.016	.89992	.03269	-.00705	.00178	.09057	.01567	.01272
-.001	3.966	.89963	-.00682	-.00428	-.00549	.14329	.02471	.02555
	GRADIENT	-.00003	-.00142	.00074	-.00005	.01333	.00236	.00320

RUN NO. 767/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-7.986	.89964	151.85360	.00117	-.00668	-.00511	-.00219	-.01096
3.996	-4.036	.90052	134.82600	.00482	-.00321	.05024	.00794	.00291
3.980	.031	.90033	89.00906	.00902	.00060	.11242	.01939	.01719
4.002	3.992	.89969	44.74701	.00813	-.01125	.16039	.02711	.02899
	GRADIENT	-.00010	-11.22032	.00041	-.00099	.01373	.00239	.00325

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0083) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 768/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.070	.94836	33.19241	-.01975	-.00691	-.00494	-.00212	-.00846
-4.004	-3.923	.95022	54.68889	-.01851	-.00061	.03944	.00610	.00113
-4.003	-.008	.95023	90.43870	-.02165	.00289	.08714	.01472	.01125
-3.987	3.988	.94976	127.22790	-.02160	-.00906	.13720	.02326	.02230
	GRADIENT	-.00006	9.16938	-.00039	-.00107	.01236	.00217	.00268

RUN NO. 769/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.035	.95002	-.00681	-.01247	-.00606	-.01910	-.00444	-.01202
.000	-4.021	.95077	-.00690	-.00850	-.00112	.03102	.00480	-.00001
-.001	.094	.95116	-.00688	-.00386	.00368	.08720	.01499	.01264
-.001	3.974	.94958	-.00683	-.00212	-.00782	.14117	.02398	.02458
	GRADIENT	-.00015	.00001	.00080	-.00082	.01378	.00240	.00308

RUN NO. 770/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.988	.94913	151.61300	.00339	-.00758	-.01196	-.00335	-.01098
3.997	-4.053	.94977	134.58730	.00712	-.00247	.04762	.00751	.00304
3.983	.074	.95287	88.29424	.01704	.00086	.11111	.01887	.01709
4.000	3.990	.94807	44.78689	.01546	-.01582	.16140	.02706	.02799
	GRADIENT	-.00020	-11.16552	.00105	-.00164	.01416	.00243	.00310

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

MACH	=	1.050	IEABOX	=	180.000
IB-ELV	=	10.000	OB-ELV	=	9.000

PARAMETRIC DATA

RUN NO.	778/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA		MACH		PHI	CHEI	CHEO	CNW	CBW	CTW
-8.010		1.04814		34.07056	-0.4786	-0.01358	-0.01656	-0.00424	-0.00972
-4.014		1.05130		54.33144	-0.0412	-0.00933	0.03357	0.00512	0.00079
-0.013		1.04991		89.92242	-0.03270	-0.01353	0.08758	0.01478	0.01192
3.991		1.04964		126.51210	-0.03105	-0.02389	0.14589	0.02548	0.02230
GRADIENT		-0.00021		9.01753	0.00126	-0.00174	0.01403	0.00254	0.00269
RUN NO.	779/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA		MACH		PHI	CHEI	CHEO	CNW	CBW	CTW
-7.923		1.04833		0.03254	-0.02097	-0.00593	-0.02125	-0.00516	-0.01004
-4.029		1.05158		0.00693	-0.02283	-0.00140	0.03333	0.00525	0.00173
-0.017		1.05105		0.00688	-0.01876	-0.00319	0.09674	0.01690	0.01433
4.082		1.04940		0.00673	-0.01558	-0.03294	0.15664	0.02717	0.02482
GRADIENT		-0.00027		0.00002	0.00089	-0.00390	0.01520	0.00270	0.00285
RUN NO.	780/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00	
ALPHA		MACH		PHI	CHEI	CHEO	CNW	CBW	CTW
-8.059		1.04705		151.25310	-0.00315	-0.00310	-0.01277	-0.00399	-0.01059
-4.068		1.05352		134.34850	-0.01313	0.00051	0.06038	0.00966	0.00407
0.006		1.05074		90.12100	-0.01520	-0.01325	0.12907	0.02173	0.01682
4.058		1.04948		45.18457	-0.00772	-0.04831	0.18333	0.03078	0.02716
GRADIENT		-0.00050		-10.97283	0.00066	-0.00601	0.01513	0.00260	0.00284

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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(SC0085) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.0000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.0000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 782/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-8.082	1.09723	33.87108	-.03768	-.00819	-.02910	-.00591	-.00988
-4.009	-3.955	1.10231	55.00663	-.03954	-.00501	.02412	.00385	.00061
-4.005	-.017	1.10044	90.12097	-.03776	-.00861	.07682	.01330	.01109
-3.983	3.992	1.09952	126.71080	-.03623	-.03036	.13519	.02416	.02058
GRADIENT		-.00035	9.02380	.00042	-.00320	.01398	.00256	.00251

RUN NO. 783/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.060	1.10056	-.00684	-.01735	-.00239	-.03060	-.00634	-.01052
-.000	-4.760	1.10186	-.00691	-.02033	.00049	.01622	.00256	-.00076
-.002	-4.038	1.10043	.03263	-.02026	.00086	.02661	.00443	.00169
-.001	-.027	1.09973	-.00688	-.02146	-.00237	.09026	.01622	.01380
-.002	3.972	1.09978	-.00677	.03261	-.02611	.14876	.02638	.02345
GRADIENT		-.00019	-.00227	-.00133	-.00291	.01526	.00275	.00278

RUN NO. 784/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.034	1.09892	151.05350	-.00061	-.00090	-.01764	-.00446	-.01048
4.002	-4.011	1.10103	133.67240	-.00405	.00343	.05331	.00873	.00374
3.995	.014	1.10082	89.48560	-.01468	-.00783	.12154	.02087	.01614
4.002	4.063	1.09992	45.02552	-.02899	-.04235	.17943	.03106	.02580
GRADIENT		-.00014	-10.97817	-.00309	-.00567	.01562	.00276	.00273

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 785/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.078	1.14742	34.14981	-.03637	-.00799	-.02426	-.00550	-.00863
-4.020	-3.947	1.15129	55.20484	-.03681	-.00397	.03047	.00458	.00198
-4.002	-.008	1.15002	90.04156	-.03525	-.00588	.08532	.01475	.01168
-4.001	4.087	1.14945	127.10940	-.03492	-.03356	.14082	.02470	.02106
	GRADIENT	-.00023	8.95056	.00023	-.00370	.01373	.00250	.00237

RUN NO. 786/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.030	1.14853	-.00682	-.01450	-.00405	-.02604	-.00597	-.00932
-.000	-4.053	1.15224	-.00691	-.01512	.00251	.03606	.00585	.00254
-.001	-.033	1.15125	-.00688	-.01484	-.01039	.09984	.01775	.01346
-.002	4.092	1.14909	-.00675	-.03002	-.03074	.15521	.02713	.02317
	GRADIENT	-.00039	.00002	-.00184	-.00409	.01462	.00261	.00253

RUN NO. 787/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.090	1.14649	151.09340	.00252	-.00164	-.01275	-.00408	-.00972
3.999	-4.007	1.15127	133.71200	-.00683	-.00545	.06479	.01075	.00289
3.994	.007	1.15166	89.92245	-.00667	-.02212	.12844	.02206	.01486
4.004	4.077	1.14969	45.06516	-.02234	-.05120	.18297	.03103	.02491
	GRADIENT	-.00020	-10.96610	-.00192	-.00566	.01462	.00251	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRN+PLUMES S1.2 (SC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.	788/ O	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-4.000	-7.964	1.24888	34.74841	-.01719	-.00385
-4.012	-3.952	1.25044	55.28474	-.02087	-.00474
-4.008	-.009	1.25024	90.04155	-.02324	-.01834
-3.989	4.001	1.24980	126.47260	-.03148	-.03756
GRADIENT	-.00008	8.95147	-.00134	-.00413	-.00229
					CTW
					-.00582
					-.00500
					-.03728
					-.00598
					-.01586
					-.09118
					-.14011
					-.02012
					-.00217

RUN NO.	789/ O	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO
-.001	-8.075	1.24943	-.00682	.01220	-.00055
-.000	-4.041	1.25050	-.00691	.00387	-.01346
-.001	-.024	1.25014	-.00688	-.00005	-.03077
-.002	4.091	1.24921	-.00674	-.00836	-.04492
GRADIENT	-.00016	.00002	-.00151	-.00387	-.00240
					CTW
					-.00754
					-.00489
					-.00743
					-.01861
					-.10538
					-.15517
					-.02696
					-.00213
					-.00247

RUN NO.	790/ O	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CHEI	CHEO
3.997	-8.082	1.24904	150.85350	.02587	-.00653
3.997	-4.090	1.25065	134.03020	.01405	-.02945
4.000	.014	1.25014	89.68417	.00690	-.04299
4.010	4.100	1.25061	45.02498	-.00337	-.06049
GRADIENT	-.00001	-10.86838	-.00213	-.00379	-.00247
					CTW
					-.01068
					-.00263
					-.01040
					-.02200
					-.01128
					-.02191
					-.00274

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-7.961	1.24951	34.78822	-.02786	.01123	-.02508	-.00552	-.00626
-4.015	-3.937	1.25040	55.44358	-.02717	.01452	.03123	.00509	.00289
-4.002	.032	1.24995	90.39898	-.02649	-.00106	.08605	.01514	.01177
-3.986	3.996	1.24986	126.51220	-.02544	-.02355	.13570	.02363	.02069
GRADIENT		-.00007	8.95880	.00022	-.00480	.01317	.00234	.00224

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.051	1.24945	-.00681	-.00386	.02034	-.02812	-.00608	-.00806
.000	-5.154	1.25009	-.00689	-.00477	.01275	.01663	.00251	-.00096
.000	-4.063	1.25006	-.00690	-.00462	.00796	.03413	.00585	.00185
-.001	-.026	1.25008	-.00688	-.00494	-.01207	.09749	.01724	.01244
-.002	4.102	1.24932	-.00675	-.01148	-.02869	.14897	.02594	.02239
GRADIENT		-.00009	.00002	-.00084	-.00449	.01406	.00246	.00252

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.103	1.24942	150.97310	.00826	.01348	-.01351	-.00356	-.01069
4.003	-4.001	1.25013	133.47350	.00291	-.01185	.05846	.00970	.00004
3.999	.003	1.25021	89.76360	.00504	-.02511	.12142	.02065	.01174
4.006	4.086	1.24966	44.98543	-.00184	-.04238	.17238	.02924	.02242
GRADIENT		-.00006	-10.94212	-.00059	-.00378	.01408	.00242	.00277

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC0089) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1405/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.018	1.29953	34.70832	-.02191	.01782	-.02213	-.00515	-.00547
-4.016	-3.945	1.30042	55.48325	-.02244	.00661	.03414	.00561	.00260
-4.001	-.009	1.30023	90.08127	-.02250	-.00873	.08666	.01512	.01130
-3.986	3.999	1.29953	126.51220	-.02636	-.02685	.13361	.02313	.02008
GRADIENT		-.00011	8.94197	-.00049	-.00421	.01252	.00221	.00220

RUN NO. 1407/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.090	1.29956	-.00683	.00458	.01846	-.02446	-.00525	-.00834
-.000	-4.047	1.30040	-.00691	.00363	-.00447	.03699	.00635	.00113
-.001	-.019	1.30027	-.00688	.00071	-.02200	.09812	.01728	.01121
-.002	3.973	1.29948	-.00675	-.00542	-.03529	.14736	.02546	.02088
GRADIENT		-.00011	.00002	-.00113	-.00384	.01376	.00238	.00246

RUN NO. 1408/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.086	1.29899	150.81360	.01946	.00494	-.01421	-.00378	-.01121
4.002	-4.026	1.30018	133.51320	.01221	-.02194	.05468	.00886	-.00144
3.995	.015	1.29991	89.56503	.00760	-.03738	.11951	.02029	.00958
4.004	4.084	1.29975	44.98562	-.00243	-.04848	-.17096	.02886	.02048
GRADIENT		-.00005	-10.91653	-.00181	-.00327	.01434	.00247	.00270

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.955	1.34971	35.02769	-.01505	.01916	-.01885	-.00442	-.00557
-4.014	-3.926	1.35015	55.84109	-.01662	-.00150	.03407	.00559	.00201
-4.004	-.004	1.34966	90.35927	-.01757	-.01454	.08527	.01489	.01045
-3.997	4.092	1.34998	127.06940	-.02560	-.02924	.13363	.02306	.01974
GRADIENT		-.00002	8.88339	-.00113	-.00346	.01241	.00218	.00221

RUN NO. 1411/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.064	1.34992	-.00682	.01171	.01385	-.02201	-.00478	-.00884
-.000	-4.037	1.35045	-.00691	.01016	-.01238	.03834	.00640	.00035
-.001	-.019	1.34993	-.00688	.00346	-.02821	.09755	.01696	.01015
-.002	3.979	1.34979	-.00674	-.00562	-.04380	.14725	.02527	.01975
GRADIENT		-.00008	.00002	-.00197	-.00392	.01359	.00235	.00242

RUN NO. 1412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.090	1.34977	150.77340	.02754	-.00198	-.01389	-.00384	-.01131
4.001	-4.085	1.35032	133.79170	.01547	-.02839	.05185	.00817	-.00296
3.998	.008	1.34990	89.44588	.00554	-.04216	.11438	.01931	.00746
4.005	4.077	1.34967	45.02532	-.00892	-.05405	.16697	.02813	.01834
GRADIENT		-.00008	-10.87548	-.00299	-.00314	.01410	.00245	.00261

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.953	1.39996	35.06796	-.00706	.01579	-.01519	-.00384	-.00547
-4.017	-3.932	1.40040	55.96018	-.01146	-.00796	.03639	.00583	.00174
-3.995	-.013	1.39968	90.35927	-.01499	-.02149	.08662	.01491	.01031
-3.987	3.997	1.39952	126.47250	-.02161	-.03608	.13135	.02255	.01845
GRADIENT		-.00011	8.89312	-.00128	-.00355	.01197	.00211	.00211

RUN NO. 1414/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.060	1.39958	-.00684	.01593	.00543	-.01985	-.00458	-.00904
-.000	-4.836	1.39996	-.00691	.01190	-.01453	.02517	.00372	-.00267
-.000	-4.045	1.39963	-.00692	.00992	-.01974	.03786	.00606	-.00089
-.001	-.020	1.39980	-.00688	.00040	-.03577	.09667	.01652	.00871
-.002	3.971	1.39961	-.00674	-.00856	-.04880	.14524	.02468	.01825
GRADIENT		-.00002	.00002	-.00232	-.00383	.01367	.00239	.00238

RUN NO. 1415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.085	1.39962	150.69330	.02985	-.00628	-.01490	-.00396	-.01147
4.011	-4.019	1.40020	133.11590	.01377	-.03468	.04667	.00717	-.00437
4.001	.020	1.39987	89.04875	-.00095	-.04605	.11051	.01852	.00554
4.002	4.052	1.40010	45.10512	-.01688	-.05735	.16305	.02735	.01629
GRADIENT		-.00001	-10.90449	-.00380	-.00281	.01442	.00250	.00256

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (SC0092) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1416/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-3.947	-7.934	1.54773	34.91327	.00068	.00152	-.00983	-.00312
-3.932	-3.878	1.54846	56.12309	-.00812	-.01770	.03666	.00546
-3.900	-.019	1.55007	90.79602	-.01240	-.03325	.08243	.01378
-3.903	3.945	1.55098	126.78620	-.02149	-.04503	.12206	.02066
	GRADIENT	.00032	9.03321	-.00171	-.00349	.01091	.00194
							.00204

RUN NO. 1417/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
.001	-7.983	1.54882	-.00681	.01883	-.00731	-.01446	-.00876
-.001	-3.942	1.54908	.03266	-.00015	-.02920	.03244	-.00292
-.001	.081	1.54890	-.00688	-.01454	-.04680	.08845	.00507
-.002	4.079	1.54804	-.00678	-.02591	-.05574	.13833	.01518
	GRADIENT	-.00013	-.00492	-.00321	-.00331	.01320	.00231

RUN NO. 1418/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
4.044	-8.167	1.54626	150.53950	.02182	-.01608	-.00776	-.01023
4.075	-4.091	1.55001	132.80180	-.00468	-.03897	.03814	-.00518
4.102	.016	1.54882	88.57201	-.02412	-.05448	.09840	.00183
4.071	4.128	1.54842	45.02064	-.04163	-.06226	.15314	.01176
	GRADIENT	-.00019	-10.68049	-.00450	-.00283	.01399	.00251

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0093) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

PARAMETRIC DATA

RUN NO. 1540/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.070	-8.088	1.39989	35.14032	-.00138	.07397	-.02907	-.00759	-.00358
-4.087	-3.928	1.40020	56.55305	-.00809	.05110	.02606	.00264	.00399
-4.084	-.021	1.39930	90.47844	-.01303	.03393	.07736	.01193	.01249
-4.077	3.989	1.39996	126.07950	-.01933	.00993	.12258	.01982	.02040
	GRADIENT	-.00003	8.78264	-.00142	-.00520	.01219	.00217	.00207

RUN NO. 1541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.089	1.39991	-.04629	.02092	.06585	-.03139	-.00754	-.00685
-.001	-4.890	1.40003	-.00698	.01488	.04324	.01482	.00046	-.00049
-.002	-4.044	1.40030	-.00698	.01319	.03794	.02712	.00286	.00138
-.003	-.048	1.40060	-.00685	.00394	.01875	.08648	.01341	.01091
-.004	3.984	1.39903	-.00664	-.00648	.00108	.13675	.02197	.02061
	GRADIENT	-.00011	.00004	-.00241	-.00471	.01383	.00243	.00238

RUN NO. 1542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.940	-8.067	1.39976	150.88630	.03465	.05325	-.02371	-.00706	-.00879
3.937	-4.051	1.40023	133.74770	.01649	.02252	.03734	.00396	-.00179
3.935	.005	1.40008	88.88997	.00206	.00823	.10144	.01543	.00795
3.930	3.999	1.39936	44.79180	-.01441	-.00589	.15459	.02444	.01863
	GRADIENT	-.00011	-11.05118	-.00384	-.00353	.01457	.00254	.00254

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0094) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = -5.000

PARAMETRIC DATA

RUN NO. 1544/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.030	-7.937	1.54739	35.54321	.00403	.05330	-.01819	-.00585	-.00412
-4.004	-3.878	1.54939	56.75566	-.00695	.03133	.02878	.00270	.00234
-3.984	-.032	1.54999	90.83581	-.01083	.01379	.07459	.01100	.01059
-3.996	3.929	1.54977	126.23440	-.01924	-.00262	.11503	.01805	.01821
	GRADIENT	.00005	8.89969	-.00158	-.00435	.01104	.00196	.00203

RUN NO. 1545/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-7.993	1.54894	-.00691	.02100	.04202	-.02248	-.00654	-.00684
-.001	-3.938	1.55082	-.00695	-.00071	.01753	.02478	.00184	-.00086
-.003	.091	1.54949	-.00685	-.01228	.00038	.08117	.01187	.00746
-.002	4.047	1.54752	-.00673	-.02340	-.01029	.13120	.02043	.01736
	GRADIENT	-.00041	.00003	-.00284	-.00349	.01333	.00233	.00228

RUN NO. 1546/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.983	-8.137	1.54822	150.73180	.02166	.03271	-.01543	-.00623	-.00823
4.005	-4.109	1.54881	133.19520	-.00158	.01221	.02872	.00148	-.00298
4.036	.011	1.54871	88.17497	-.01987	-.00496	.08961	.01253	.00430
4.005	4.081	1.54815	44.66719	-.03800	-.01538	.14571	.02245	.01405
	GRADIENT	-.00008	-10.81039	-.00445	-.00337	.01429	.00256	.00208

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1619/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW
-4.001	-8.100	.59915	-153.21990	.02474	-.00140	-.01964	-.00272
-4.003	-4.007	.59899	-135.53750	.01904	-.00169	.02361	.00489
-4.003	-.002	.60001	-88.36858	.01602	-.00324	.06630	.01257
-4.002	3.969	.59954	-43.24249	.01249	-.00876	.11322	.02098
GRADIENT		.00007	11.57212	-.00082	-.00089	.01123	.00202
							.00261
							CTW
							-.00849
							.00176
							.01219
							.02259
							.00261
RUN NO. 1620/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW
.001	-8.001	.59909	-.00679	.02977	.00124	-.02317	-.00329
.001	-4.015	.59997	-.00687	.02510	.00033	.02322	.00481
.001	.071	.60063	.03268	.02446	-.00256	.07203	.01339
-.001	3.984	.60058	-.00686	.02279	-.00959	.12069	.02221
GRADIENT		.00008	.00007	-.00029	-.00124	.01218	.00218
							CTW
							-.01025
							.00126
							.01380
							.02541
							.00302
RUN NO. 1621/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW
3.996	-8.086	.59901	153.29440	.03991	.00127	-.02111	-.00333
4.001	-4.000	.60045	135.66210	.03671	-.00102	.03199	.00612
4.004	-.010	.60028	88.92960	.03555	-.00472	.08503	.01546
3.999	3.979	.59931	43.31444	.03372	-.01225	.13493	.02473
GRADIENT		-.00014	-11.57398	-.00037	-.00141	.01290	.00233
							CTW
							-.01003
							.00306
							.01640
							.02844
							.00318

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0096) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1623/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.098	.79925	-152.41830	.00912	-.00147	-.01378	-.00257	-.00951
-4.003	-4.048	.80053	-134.98020	.00644	-.00011	.03153	.00564	.00107
-3.991	-.033	.80002	-89.20238	.00509	-.00024	.07759	.01375	.01198
-3.998	3.994	.79965	-44.15795	.00641	-.00734	.12991	.02319	.02355
	GRADIENT	-.00011	11.29287	-.00000	-.00090	.01223	.00218	.00280

RUN NO. 1624/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.021	.80000	.03258	.02053	.00185	-.02088	-.00369	-.01149
-.001	-4.001	.80008	.03266	.01901	.00329	.02971	.00516	.00098
-.000	-.016	.79971	-.00689	.02110	.00215	.08140	.01419	.01395
-.001	3.976	.79947	-.00685	.02110	-.00648	.13750	.02447	.02709
	GRADIENT	-.00008	-.00495	.00026	-.00122	.01351	.00242	.00327

RUN NO. 1625/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.097	.79908	152.49420	.03523	.00150	-.01698	-.00324	-.01047
3.998	-4.058	.80053	135.26390	.03458	.00213	.04017	.00679	.00359
3.991	-.033	.80035	89.60474	.03577	-.00019	.09724	.01688	.01767
4.003	3.984	.79951	44.34893	.03663	-.00951	.15719	.02798	.03123
	GRADIENT	-.00013	-11.30557	.00026	-.00145	.01455	.00264	.00344

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0097) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
				MACH	=	.900		IEABOX = 180.000
				IB-ELV	=	8.000		OB-ELV = 9.000

PARAMETRIC DATA

RUN NO.	1626/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	1627	0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
	.001	-8.014	.89999	-.00680	.00896	-.00173	-.03070	-.00591	-.01189
	-.001	-4.022	.90008	-.03266	.01218	.00594	.02259	.00340	.00088
	-.000	-.022	.89978	-.00689	.01678	.01000	.08068	.01378	.01352
	-.001	3.958	.89965	-.00685	.00892	-.00531	.13967	.02408	.02629
		GRADIENT	-.00005	-.00496	.00084	-.00141	.01467	.00259	.00318

RUN NO.	1628/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.085	.89969	152.01360	.02431	-.00339	-.02327	-.00485	-.01092
4.003	-4.074	.89994	134.78670	.02355	.00506	.03746	.00570	.00361
3.990	.046	.90027	88.53249	.03117	.00786	.10412	.01765	.01817
4.003	4.013	.90001	44.58774	.03169	.01277	.16024	.02701	.03009
	GRADIENT	.00001	-11.15477	.00101	-.00219	.01519	.00264	.00328

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0098) (13 APR 92)

REFERENCE DATA

[illegible]

PARAMETRIC DATA

RUN NO.	1629/ O	RN/L	=	2.49	GRADIENT	INTERVAL	=	-5.00/	5.00
ALPHA	MACH	PHI		CHEI	CHEO		CNW	CBW	CTW
-8.087	.94925	-151.69730		-.02130	.00381		-.02806	-.00578	-.00991
-4.093	.95026	-134.50250		-.01708	.00476		.01905	.00297	.00004
.077	.95041	-87.65395		-.01893	-.00944		.07230	.01276	.01041
4.018	.94934	-44.75425		-.02101	-.02501		.12994	.02357	.02017
GRADIENT	-.00011	11.06637		-.00048	-.00367		.01366	.00254	.00248

RUN NO.	1630/ O	RN/L	=	2.50	GRADIENT INTERVAL	=	-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	
-8.013	.94981	.03258	.00267	.01120	-.03681	-.00710	-.01149	
-4.028	.94996	-.00688	.01103	.01174	.01845	.00281	.00084	
-.013	.94983	-.00689	.00698	-.00239	.07900	.01374	.01303	
3.999	.94946	.03263	.01415	.02867	14.289	.02507	.02471	
GRADIENT	-.00006	.00492	.00039	-.00503	.01550	.00277	.00297	

RUN NO.	1631/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW
-8.083	.94931	151.77380	.01422	.01350	-.02782	-.00581
-4.090	.95026	134.70700	.01979	.01113	.03574	.00563
.089	.95048	88.01623	.01915	-.01366	.10758	.01767
4.001	.94938	44.82642	.02321	-.03264	.16500	.02808
GRADIENT	-.00011	-11.10994	.00042	-.00542	.01599	.00307
						CTW
						-.01029
						.00391
						.01767
						.02871
						.00307

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.050 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1632/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.062	1.04814	-151.05710	-.00515	-.00956	-.04346	-.00773	-.01016
-4.003	-4.097	1.05165	-134.06450	-.01770	-.00541	.00972	.00196	.00024
-4.000	.009	1.05027	-88.96415	-.01694	-.00342	.06401	.01156	.01150
-4.003	4.030	1.04921	-45.11243	-.02361	-.02499	-12472	.02264	.02136
	GRADIENT	-.00030	10.94576	-.00072	-.00240	.01415	.00254	.00260

RUN NO. 1633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.991	1.04947	.03258	.01253	-.00594	-.04028	-.00714	-.01026
.000	-4.045	1.05087	-.00690	-.00101	-.00244	.01969	.00375	.00204
-.001	-.028	1.05029	-.00688	-.00252	-.00333	.08660	.01575	.01507
-.002	3.961	1.04972	-.00678	-.00535	-.02426	.14631	.02586	.02580
	GRADIENT	-.00014	.00001	-.00054	-.00272	.01582	.00276	.00297

RUN NO. 1634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.001	-8.052	1.04809	151.13390	.02920	-.00266	-.02726	-.00519	-.01000
4.002	-4.012	1.05146	133.79180	.01433	.00006	.04947	.00861	.00521
3.999	.025	1.05024	89.44588	.00757	-.01228	.12094	.02102	.01819
4.008	4.068	1.04984	45.06491	.01325	-.04660	.17950	.03083	.02887
	GRADIENT	-.00020	-10.98160	-.00013	-.00578	.01609	.00275	.00293

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SCOOAO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1636/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.054	1.09853	-151.01690	.02860	-.00796	-.05024	-.00851	-.00882
-4.003	-4.092	1.10075	-134.02470	.01178	-.00534	.00235	.00111	.00109
-4.002	.012	1.10042	-89.08326	.00103	-.00420	.05782	.01098	.01169
-4.004	4.051	1.09958	-44.99303	-.01676	-.02336	.11711	.02163	.02105
	GRADIENT	-.00014	10.93326	-.00350	-.00221	.01409	.00252	.00245

RUN NO. 1637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.991	1.09919	.03261	.04735	-.00579	-.04530	-.00761	-.00915
.001	-4.062	1.10065	-.00688	.02766	-.00352	.01390	.00310	.00272
-.001	-.005	1.10009	-.00689	.01771	-.00652	.08188	.01530	.01554
-.001	3.990	1.09943	-.00681	.00632	-.02767	.14056	.02535	.02552
	GRADIENT	-.00015	.00001	-.00265	-.00299	.01573	.00276	.00283

RUN NO. 1638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.046	1.09876	151.05360	.06231	-.00289	-.03034	-.00544	-.00911
3.998	-4.014	1.10035	133.63240	.04032	.00016	.04408	.00791	.00522
4.001	.025	1.09997	89.16788	.02199	-.01561	.11623	.02054	.01774
4.004	4.033	1.09941	45.18458	.01536	-.04832	.17391	.03035	.02780
	GRADIENT	-.00012	-10.99276	-.00310	-.00602	.01614	.00279	.00281

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.038	1.14882	-150.81690	.02859	-.00792	-.04500	-.00801	-.00747
-4.005	-4.092	1.15054	-133.98510	.01812	-.00355	.01048	.00205	.00286
-4.007	.019	1.15067	-89.20237	.00725	-.00406	.06982	.01301	.01279
-4.004	4.049	1.14944	-45.11233	-.01250	-.02464	.12282	.02222	.02169
	GRADIENT	-.00013	10.91710	-.00376	-.00258	.01380	.00248	.00231

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.098	1.14955	-.00677	.05152	-.00721	-.04213	-.00755	-.00834
.000	-4.066	1.15026	-.00688	.03717	-.00195	.02398	.00459	.00368
-.001	-.029	1.14989	-.00689	.02538	-.01701	.09232	.01689	.01493
.001	3.959	1.14986	.03268	.01122	-.03909	.14806	.02631	.02469
	GRADIENT	-.00005	.00492	-.00323	-.00463	.01546	.00271	.00262

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.029	1.14818	150.89310	.07315	-.00393	-.02366	-.00470	-.00812
4.001	-4.016	1.15022	133.63260	.05028	-.00860	.05550	.00984	.00456
4.006	.024	1.15036	89.44588	.03151	-.03029	.12365	.02158	.01646
4.008	4.084	1.14999	44.98533	.01543	-.05918	.18133	.03114	.02658
	GRADIENT	-.00003	-10.94411	-.00430	-.00625	.01553	.00263	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000
LREF = 474.8100
BREF = 936.6800
SCALE = .0300

MACH	=	1.250	IEABOX	=	180.000
IB-ELV	=	8.000	OB-ELV	=	9.000

PARAMETRIC DATA

RUN NO.	1642/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA	MACH	PHI			CHEI	CHEO	CNW	CBW
-7.914	1.24880	-150.25690			.04725	-.00588	-.03771	-.00703
-4.087	1.25007	-133.70640			.03465	-.00509	.01856	-.00369
.015	1.25015	-89.08326			.02228	-.01991	.07392	.07392
3.996	1.24930	-45.55009			.00676	-.03625	.12598	.02255
GRADIENT	-.00009	10.90697			-.00345	-.00386	-.01329	-.00233

RUN NO.	1643/	0	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00/	5.00
ALPHA	MACH		PHI			CHEI	CHEO		CNW	CBW
-7.987	1.24950		.03261			.06979	-.00289		-.02938	-.00566
-4.065	1.25030		.03266			.05398	-.01537		.03406	.0061
-.034	1.24980		-.00689			.04242	-.03403		.09879	.01755
3.954	1.24977		-.00678			.02289	-.05461		.15175	.02655
GRADIENT	-.00007		-.00493			-.00387	-.00489		.01468	.00255

RUN NO.	1644/	0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
ALPHA							
-8.035	1.24909		PHI				
-4.020	1.25031	133.43370					
.020	1.24971	89.48560					
3.988	1.24985	45.66237					
GRADIENT	1.00006	-10.96045					
			CH E I		CH E O	CN W	CB W
			.08271		-.00672	-.01416	-.00328
			.06572		-.03043	.05737	.00962
			.04734		.04755	.12608	.02141
			.02490		-.06884	.17965	.03030
			-.00510		-.00479	.01528	.00258

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A3) (13 APR 92)

REFERENCE DATA

[illegible]

PARAMETRIC DATA

[illegible]

RUN NO.	1675/ 0	RN/L =	2.50	GRADIENT INTERVAL =				-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW		
-8.087	1.24950	-.00679	.07070	.02213	-.04031	-.00753	-.00637		
-4.061	1.25027	-.00689	.05547	.00752	.05355	.00468	.00356		
.005	1.25013	-.00688	.04492	-.01372	.09068	.01628	.01418		
3.958	1.24957	-.00678	.02591	-.03411	.14321	.02515	.02351		
GRADIENT	-.00009	.00001	-.00368	-.00519	.01470	.00255	.00249		

RUN NO.	1676/ 0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-8.021	1.24901	150.61370	.08286	.01492	-.02178	-.00463	-.00871
-4.012	1.25004	133.31410	.06743	-.01125	.05018	.00834	.00183
.017	1.24996	89.28703	.05021	-.02839	.11803	.02003	.01342
4.033	1.24981	45.26429	.02784	-.04722	.17195	.02901	.02372
GRADIENT	-.00003	-10.94425	-.00492	-.00447	.01514	.00257	.00272

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.928	1.29977	-150.17690	.05341	.02787	-.03825	-.00758	-.00374
-4.001	-4.080	1.30050	-133.42760	.04166	.01148	.01493	.00253	.00405
-3.997	.011	1.30030	-88.76565	.02860	-.00625	.07147	.01299	.01238
-3.999	4.044	1.29922	-45.07288	.01187	-.02604	.12031	.02138	.02083
	GRADIENT	-.00016	10.87611	-.00367	-.00462	.01297	.00232	.00207

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.090	1.29981	-.00679	.07105	.01904	-.03313	-.00638	-.00651
.000	-4.022	1.29996	-.00688	.05734	-.00350	.03035	.00528	.00295
-.001	-.041	1.29959	-.00689	.04454	-.02240	.09306	.01636	.01284
-.002	4.002	1.29989	-.00678	.02770	-.03975	.14565	.02513	.02246
	GRADIENT	-.00001	.00001	-.00369	-.00452	.01437	.00247	.00243

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.041	1.29940	150.57380	.08231	.00621	-.02088	-.00473	-.00938
3.999	-4.022	1.30011	133.27430	.06580	-.01861	.04827	.00772	.00029
4.002	.024	1.29991	89.24732	.04260	-.03583	.11725	.01967	.01116
4.002	4.035	1.29990	45.30410	.02124	-.05212	.17132	.02861	.02177
	GRADIENT	-.00003	-10.91741	-.00553	-.00416	.01527	.00259	.00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1682/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.940	1.35047	-150.17640	.06219	.02627	-.03405	-.00680	-.00392
-4.001	-4.074	1.34995	-133.22860	.04607	.00119	.01746	.00294	.00296
-3.994	.014	1.34967	-88.48772	.03270	-.01374	.07106	.01280	.01133
-4.003	4.056	1.35013	-45.03288	.01138	-.03067	.12026	.02125	.02023
	GRADIENT	.00002	10.84859	-.00427	-.00392	.01265	.00225	.00212

RUN NO. 1683/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.089	1.34989	-.00679	.07198	.01524	-.03003	-.00590	-.00702
.000	-4.052	1.34982	-.00689	.05844	-.01077	.03221	.00534	.00212
-.001	-.055	1.34984	-.00689	.04102	-.02709	.09317	.01608	.01173
-.002	3.963	1.34971	-.00676	.02502	-.04478	.14524	.02476	.02139
	GRADIENT	-.00001	.00002	-.00417	-.00424	.01410	.00242	.00240

RUN NO. 1684/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-7.923	1.34914	150.21410	.08028	-.00218	-.01655	-.00428	-.00940
4.000	-4.030	1.34986	133.23460	.05987	-.02828	.04792	.00751	-.00144
3.999	.018	1.35001	89.12818	.03249	-.04361	.11386	.01892	.00886
3.998	4.044	1.35024	45.22474	.00907	-.05822	.16840	.02795	.01967
	GRADIENT	.00005	-10.90061	-.00629	-.00371	.01492	.00253	.00261

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1685/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.947	1.39901	-150.09660	.06418	.02081	-.03105	-.00627	-.00407
-4.002	-4.003	1.40015	-132.59190	.04722	-.00282	.02035	.00323	.00318
-3.998	.013	1.39932	-88.36860	.03005	-.01900	.07324	.01296	.01096
-4.000	4.045	1.40034	-45.11265	.01496	-.03470	.11907	.02082	.01955
	GRADIENT	.00002	10.86924	-.00401	-.00396	.01227	.00219	.00203

RUN NO. 1686/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.072	1.39962	-.00681	.07054	.00613	-.02667	-.00557	-.00729
.000	-4.061	1.40001	-.00690	.05156	-.01995	.03262	.00510	.00067
-.001	-.047	1.39994	-.00688	.03201	-.03766	.09434	.01596	.01007
-.002	3.945	1.39963	-.00676	.01527	-.05201	.14491	.02438	.01970
	GRADIENT	-.00005	.00002	-.00453	-.00400	.01403	.00241	.00238

RUN NO. 1687/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-7.921	1.39943	150.13410	.07686	-.00670	-.01464	-.00428	-.00930
4.001	-4.020	1.40011	133.03570	.05236	-.03556	.04416	.00645	-.00278
3.998	.018	1.40033	88.96933	.02092	-.04829	.11181	.01824	.00694
4.001	4.045	1.39965	45.22456	-.00221	-.06046	.16582	.02727	.01786
	GRADIENT	-.00006	-10.88827	-.00677	-.00309	.01509	.00258	.00256

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.049	-8.011	1.54818	-149.98260	.06754	.00564	-.02151	-.00518	-.00448
-4.075	-4.167	1.55002	-132.91500	.04542	-.01560	.02321	.00311	.00104
-4.097	.021	1.54956	-87.85219	.02339	-.03285	.07484	.01252	.00927
-4.066	4.094	1.54924	-45.14778	.00278	-.04504	.11614	.01963	.01711
	GRADIENT	-.00010	10.62569	-.00516	-.00357	.01126	.00200	.00195

RUN NO. 1690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.996	1.54918	-.00677	.06143	-.00817	-.01774	-.00466	-.00735
.000	-3.958	1.54903	-.00688	.03341	-.03026	.03070	.00389	-.00141
-.000	.061	1.54879	-.00689	.00848	-.04868	.08941	.01426	.00646
-.001	4.047	1.54894	-.00681	-.00746	-.05792	.14013	.02277	.01639
	GRADIENT	-.00001	.00001	-.00511	-.00346	.01367	.00236	.00222

RUN NO. 1691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.051	-8.002	1.54857	149.98050	.05564	-.01735	-.00726	-.00385	-.00891
4.076	-4.161	1.54993	133.08050	.02334	-.03964	.03611	.00370	-.00401
4.098	.019	1.55010	88.45286	-.00462	-.05608	.09980	.01520	.00319
4.067	4.142	1.54941	44.98112	-.02669	-.06413	.15650	.02501	.01334
	GRADIENT	-.00006	-10.61078	-.00603	-.00295	.01450	.00257	.00209

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(SC00AB) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.073	.59896	-153.29980	.01136	-.00083	-.00737	-.00032	-.00743
-3.996	-3.989	.60022	-135.73610	.00988	.00030	.03237	.00662	.00251
-3.999	-.002	.60082	-88.76563	.00500	-.00096	.07280	.01386	.01242
-3.997	3.972	.59971	-43.32246	.00730	-.00686	.11796	.02204	.02278
	GRADIENT	-.00006	11.60938	-.00033	-.00090	.01075	.00194	.00255

RUN NO. 1587/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.900	.59985	-.00676	.02025	.00394	-.01553	-.00175	-.00969
.001	-3.943	.60013	-.00686	.01789	.00366	.02883	.00598	.00166
.000	-.017	.60093	-.00690	.01642	.00135	.07501	.01408	.01333
.003	4.067	.59978	.03258	.01409	-.00598	.12572	.02324	.02565
	GRADIENT	-.00005	.00496	-.00048	-.00121	.01210	.00216	.00300

RUN NO. 1588/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.092	.59958	153.37470	.03254	.00536	-.01657	-.00212	-.00984
3.997	-3.992	.60120	135.82100	.03072	.00297	.03635	.00708	.00333
3.999	-.009	.60030	89.20760	.02848	-.00079	.08861	.01624	.01639
4.000	3.965	.60006	43.47360	.02601	-.00880	.13794	.02541	.02825
	GRADIENT	-.00014	-11.60572	-.00059	-.00148	.01277	.00230	.00313

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC00A9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.095	.79892	-152.57830	.00549	-.00283	-.00305	-.00033	-.00852
-3.998	-4.042	.80070	-135.25850	.00448	-.00079	.03896	.00714	.00181
-3.985	-.055	.79994	-89.83763	.00268	-.00087	.08194	.01478	.01208
-4.006	3.936	.80011	-44.59500	.00227	-.00594	.13116	.02359	.02324
	GRADIENT	-.00007	11.36329	-.00028	-.00065	.01156	.00206	.00269

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.054	.79972	-.00674	.01578	.00326	-.01496	-.00240	-.01114
.001	-3.912	.80003	-.00687	.01343	.00375	.03573	.00647	.00139
-.000	-.005	.79989	-.00690	.01415	.00275	.08465	.01501	.01384
-.001	4.088	.79951	-.00686	.01279	-.00428	.13939	.02495	.02705
	GRADIENT	-.00006	.00000	-.00008	-.00101	.01296	.00231	.00321

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.090	.79905	152.61410	.02621	.00431	-.01110	-.00188	-.01004
3.995	-4.045	.80047	135.46270	.02656	.00397	.04464	.00785	.00380
3.985	-.051	.80024	90.12100	.02669	.00064	.03918	.01751	.01739
4.008	3.923	.80004	44.78637	.02381	-.00697	.15498	.02778	.03037
	GRADIENT	-.00005	-11.37982	-.00034	-.00137	.01385	.00250	.00333

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC080) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1593/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.097	.89967	-152.13770	-.00498	-.00531	-.00836	-.00178	-.00923
-4.000	-4.074	.90041	-134.98000	-.00476	-.00274	.03623	.00632	.00090
-3.985	.017	.90007	-88.76566	-.00761	.00073	.08402	.01485	.01130
-4.001	3.998	.89982	-44.55559	-.00640	-.00191	.13922	.02491	.02237
	GRADIENT	-.00007	11.20214	-.00021	.00011	.01275	.00230	.00266

RUN NO. 1594/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.022	.89965	-.00676	.00609	-.00212	-.02038	-.00385	-.01217
-.001	-4.048	.90019	.03267	.00719	.00129	.03081	.00520	.00017
-.000	.004	.90022	-.00690	.00984	.00617	.08627	.01504	.01332
-.001	4.093	.89953	-.00686	.00868	-.00379	.14182	.02441	.02643
	GRADIENT	-.00008	-.00485	.00018	-.00063	.01364	.00236	.00323

RUN NO. 1595/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.093	.89975	152.21320	.01665	-.00230	-.01469	-.00294	-.01129
3.999	-4.075	.90015	135.10480	.02090	.00181	.04386	.00734	.00314
3.990	.028	.90028	89.04876	.02370	.00586	.10713	.01861	.01791
3.997	3.991	.89975	44.66778	.02214	-.00734	.15767	.02664	.02966
	GRADIENT	-.00005	-11.21164	.00016	-.00112	.01412	.00239	.00329

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(SC00B1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-7.987	.94889	-151.53740	-.00763	-.00461	-.01147	-.00274	-.00839
-3.999	-4.075	.95054	-134.62160	-.00876	.00186	.03122	.00512	.00102
-3.989	.053	.95202	-88.09069	-.01259	.00542	.08014	.01406	.01100
-3.996	3.979	.94797	-44.75483	-.01149	-.00669	.13117	.02293	.02116
	GRADIENT	-.00031	11.16001	-.00034	-.00105	.01241	.00221	.00250

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.063	.94951	-.00676	-.00063	-.00106	-.02648	-.00510	-.01217
.001	-4.044	.95092	-.00688	.00434	.00488	.02554	.00404	.00035
-.000	-.033	.95100	-.00689	.00875	.00787	.08251	.01421	.01287
.002	3.973	.94905	.03261	.00765	-.00655	.13976	.02373	.02521
	GRADIENT	-.00023	.00492	.00041	-.00142	.01425	.00246	.00310

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.098	.94905	151.93370	.01039	-.00327	-.01894	-.00392	-.01107
3.998	-4.090	.94995	134.90570	.02196	.00550	.04267	.00697	.00344
3.989	.075	.95231	88.37363	.02639	.00677	.10858	.01853	.01777
4.002	3.987	.94778	44.74700	.02306	-.01248	.15885	.02656	.02860
	GRADIENT	-.00026	-11.16135	.00015	-.00220	.01440	.00243	.00312

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC00B2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1599/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.068	1.04861	-151.17710	-.03445	-.00410	-.02809	-.00562	-.01037
-4.001	-4.084	1.05145	-134.18390	-.03223	-.00457	.02231	.00376	.00002
-3.999	.010	1.05076	-89.16267	-.02467	-.00958	.07593	.01335	.01104
-3.997	4.021	1.04968	-45.15261	-.02452	-.02596	.13566	.02433	.02095
	GRADIENT	-.00022	10.98499	.00095	-.00263	.01398	.00254	.00258

RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.989	1.04976	.03259	-.00860	.00401	-.03301	-.00636	-.01097
-.000	-4.068	1.05068	-.00691	-.00933	.00552	.02501	.00425	.00131
-.001	-.028	1.05043	-.00688	.00099	.00035	.09104	.01609	.01460
-.002	3.956	1.04928	-.00678	-.00336	-.03093	.15055	.02607	.02486
	GRADIENT	-.00017	.00002	.00075	-.00453	.01565	.00272	.00293

RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.068	1.04843	151.29280	.01248	.01073	-.02217	-.00485	-.01054
4.002	-3.997	1.05037	133.83150	.01116	.00582	.05385	.00902	.00478
4.004	.016	1.05178	89.84302	.00522	-.00861	.12348	.02100	.01757
4.009	4.050	1.04917	45.14444	.00394	-.04891	.17956	.03007	.02786
	GRADIENT	-.00015	-11.02161	-.00090	-.00680	.01562	.00262	.00287

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(SC00B3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.056	1.09785	-151.09700	-.01857	-.00596	-.03636	-.00671	-.00971
-4.001	-4.066	1.10133	-133.98480	-.02467	-.00122	.01453	.00274	.00034
-3.996	.014	1.10047	-89.16267	-.02410	-.00299	.06772	.01227	.01082
-4.003	4.049	1.09999	-44.99310	-.02902	-.02773	.12687	.02316	.02012
	GRADIENT	-.00017	10.96674	-.00053	-.00326	.01384	.00252	.00244

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.082	1.09873	-.00677	.00644	-.00136	-.03888	-.00697	-.01052
-.001	-3.997	1.10181	.03266	-.00191	.00166	.02103	.00392	.00206
-.001	-.045	1.10091	-.00689	.00109	-.00278	.08605	.01569	.01449
-.002	3.955	1.09950	-.00680	-.00831	-.02632	.14502	.02576	.02442
	GRADIENT	-.00029	-.00495	-.00081	-.00352	.01559	.00275	.00281

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.060	1.09631	151.17330	.02081	.00335	-.02525	-.00477	-.01013
4.000	-3.990	1.10231	133.59270	.01267	.00463	.04908	.00853	.00451
4.000	.024	1.10085	89.28703	.00924	-.00824	.11758	.02047	.01713
3.999	4.019	1.09981	45.18493	.00652	-.04243	.17476	.03024	.02711
	GRADIENT	-.00031	-11.03906	-.00077	-.00587	.01569	.00271	.00282

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00B4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1606/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.048	1.15214	-150.93670	-.02053	-.00739	-.03100	-.00611	-.00844
-4.000	-4.079	1.15155	-134.10420	-.02321	-.00223	.02306	.00377	.00194
-4.001	.018	1.15074	-89.28178	-.02354	-.00424	.07949	.01425	.01176
-4.003	4.038	1.14992	-45.11241	-.02827	-.03090	.13203	.02353	.02060
	GRADIENT	-.00020	10.96324	-.00062	-.00352	.01343	.00243	.00230

RUN NO. 1607/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.102	1.14908	-.00675	.00648	-.00411	-.03456	-.00667	-.00962
-.001	-4.085	1.15101	.03266	.00064	.00108	.02961	.00517	.00253
-.001	-.038	1.15085	-.00689	.00021	-.01259	.09634	.01726	.01392
-.002	3.990	1.14989	-.00678	-.00675	-.03036	.15019	.02616	.02395
	GRADIENT	-.00014	-.00489	-.00091	-.00389	.01493	.00260	.00265

RUN NO. 1608/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.046	1.14840	151.01310	.02349	-.00070	-.01846	-.00406	-.00946
3.997	-4.067	1.15055	134.14950	.01123	-.00493	.05910	.01023	.00337
4.000	.018	1.15058	89.68417	.01011	-.02321	.12508	.02161	.01574
4.008	4.068	1.15025	45.06488	.00725	-.05257	.18013	.03069	.02601
	GRADIENT	-.00004	-10.95077	-.00049	-.00585	.01488	.00252	.00278

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC00B5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1609/ O				RN/L = 2.49				GRADIENT INTERVAL = -5.00/				5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW							
-3.998	-8.030	1.24963	-150.65650	.00405	-.00630	-.02980	-.00599	-.00628							
-4.000	-4.081	1.25012	-133.82550	-.00411	-.00480	.02744	.00489	.00221							
-4.001	.017	1.24986	-89.12296	-.01066	-.01805	.08052	.01465	.01110							
-4.002	4.063	1.24980	-45.03292	-.01955	-.03280	.13124	.02311	.01994							
	GRADIENT	-.00004	10.90301	-.00189	-.00344	.01275	.00224	.00218							

RUN NO. 1610/ O				RN/L = 2.50				GRADIENT INTERVAL = -5.00/				5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW							
.002	-8.102	1.24917	-.00677	.03559	-.00038	-.02725	-.00555	-.00788							
-.001	-4.077	1.25054	.03266	.02252	-.01288	.03746	.00652	.00208							
-.001	.024	1.25039	-.00689	.01674	-.03122	.10185	.01800	.01291							
.001	3.962	1.24951	.03270	.00511	-.05004	.15327	.02666	.02245							
	GRADIENT	-.00013	-.00006	-.00216	-.00462	.01442	.00251	.00253							

RUN NO. 1611/ O				RN/L = 2.50				GRADIENT INTERVAL = -5.00/				5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW							
3.997	-8.025	1.24927	150.73350	.05248	-.00427	-.01168	-.00291	-.01004							
3.998	-4.094	1.25036	134.07010	.03666	-.02716	.05839	.00968	.00028							
4.000	.024	1.25010	89.44588	.02134	-.04350	.12691	.02153	.01229							
4.006	4.076	1.24986	45.06507	.01187	-.06477	.17969	.03036	.02275							
	GRADIENT	-.00006	-10.89401	-.00304	-.00460	.01485	.00253	.00275							

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00B6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.024	1.24929	-150.65670	-.02121	.00847	-.02537	-.00630	-.00619
-4.002	-4.095	1.25022	-133.90530	-.02156	.01458	.02912	.00415	.00258
-3.995	.013	1.24988	-89.12297	-.02421	-.00074	.08094	.01378	.01139
-3.997	4.054	1.24978	-45.03326	-.02376	-.01727	.13100	.02224	.02033
	GRADIENT	-.00005	10.90618	-.00027	-.00391	.01250	.00222	.00218

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.000	1.24962	-.00676	.00909	.02023	-.02627	-.00628	-.00757
.001	-4.073	1.24990	-.00687	.00426	.00729	.03569	.00540	.00230
-.000	-.034	1.25020	-.00689	.00580	-.01427	.09929	.01681	.01308
-.002	3.945	1.24961	-.00680	-.00299	-.02940	.15009	.02528	.02302
	GRADIENT	-.00004	.00001	-.00090	-.00458	.01427	.00248	.00258

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.034	1.24907	150.77340	.02422	.01477	-.01117	-.00385	-.00984
4.000	-4.008	1.25008	133.47330	.01954	-.00996	.05931	.00889	.00100
3.994	.016	1.25008	89.56503	.01411	-.02534	.12405	.02019	.01289
4.007	4.082	1.25002	44.98541	.00863	-.04379	.17593	.02895	.02352
	GRADIENT	-.00001	-10.93863	-.00135	-.00418	.01441	.00248	.00278

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (SC00B7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.024	1.29910	-150.57670	-.01076	.02102	-.01861	-.00564	-.00472
-4.000	-4.082	1.30014	-133.66630	-.01518	.00707	.03377	.00440	.00334
-3.996	.017	1.29971	-88.96416	-.01547	-.00768	.08705	.01435	.01172
-3.999	4.030	1.29963	-45.15247	-.02464	-.02538	.13325	.02230	.02023
	GRADIENT	-.00006	10.91135	-.00116	-.00400	.01226	.00221	.00208

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.993	1.30009	.03263	.01931	.01807	-.01919	-.00529	-.00712
.001	-4.064	1.30005	-.00688	.01534	-.00323	.04038	.00578	.00218
-.001	-.062	1.29957	-.00689	.01085	-.02251	.10194	.01679	.01234
-.002	3.945	1.29941	-.00680	-.00002	-.03611	.15224	.02515	.02208
	GRADIENT	-.00008	.00001	-.00192	-.00411	.01397	.00242	.00248

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.015	1.29915	150.61350	.03698	.00540	-.00970	-.00398	-.00992
4.000	-4.014	1.29987	133.43350	.02529	-.01860	.05782	.00827	-.00013
3.995	.020	1.30017	89.36646	.01633	-.03350	.12274	.01966	.01109
3.997	4.027	1.30003	45.26462	.00602	-.04820	.17509	.02839	.02182
	GRADIENT	.00002	-10.96387	-.00240	-.00368	.01458	.00250	.00273

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1662/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.902	1.34927	-150.17610	-.00044	.02162	-.01447	-.00494	-.00449
-4.000	-4.028	1.35009	-133.10910	-.00917	-.00177	.03624	.00472	.00251
-3.999	.019	1.34962	-88.60682	-.01066	-.01439	.08585	.01395	.01106
-4.000	4.043	1.34934	-45.07286	-.02271	-.02587	.13211	.02191	.01994
	GRADIENT	-.00009	10.90836	-.00168	-.00299	.01188	.00213	.00216

RUN NO. 1663/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.100	1.34967	-.00677	.02788	.01512	-.01836	-.00525	-.00760
-.001	-4.008	1.35039	.03266	.02204	-.01093	.04313	.00598	.00178
-.001	-.008	1.34983	-.00689	.01157	-.02830	.10302	.01664	.01162
-.002	3.947	1.34998	-.00678	-.00010	-.04156	.15179	.02476	.02122
	GRADIENT	-.00005	-.00497	-.00278	-.00385	.01366	.00236	.00244

RUN NO. 1664/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.025	1.34947	150.57370	.04496	-.00154	-.00888	-.00408	-.00995
3.999	-4.010	1.35031	133.31410	.02910	-.02746	.05713	.00798	-.00145
3.998	.024	1.34994	89.16788	.01415	-.03839	.11895	.01880	.00913
3.997	4.030	1.35008	45.22485	.00037	-.05152	.17113	.02751	.01993
	GRADIENT	-.00003	-10.95565	-.00357	-.00299	.01418	.00243	.00266

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00B9) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.908	1.39934	-150.05650	.00577	.01787	-.01355	-.00471	-.00463
-3.998	-4.082	1.40011	-133.30800	-.00408	-.00456	.03580	.00446	.00244
-3.997	.020	1.39960	-88.36860	-.00970	-.01971	.08649	.01396	.01055
-4.002	4.043	1.40015	-45.07267	-.01823	-.03258	.13030	.02149	.01927
	GRADIENT	.00000	10.86060	-.00174	-.00345	.01163	.00210	.00207

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.085	1.40019	-.00678	.03138	.00604	-.01587	-.00502	-.00778
.000	-4.076	1.40009	-.00690	.02075	-.01984	.04174	.00552	.00031
-.001	-.007	1.40035	-.00688	.00786	-.03668	.10220	.01626	.01013
-.002	3.958	1.39982	-.00677	-.00279	-.04673	.15072	.02433	.01985
	GRADIENT	-.00003	.00002	-.00293	-.00335	.01357	.00234	.00243

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.035	1.39995	150.53330	.04874	-.00548	-.00889	-.00428	-.00981
3.997	-4.005	1.39998	133.15480	.02569	-.03506	.05256	.00685	-.00272
3.996	.026	1.39995	88.96934	.00836	-.04706	.11701	.01827	.00724
4.000	4.038	1.40014	45.18482	-.00772	-.05537	.16884	.02696	.01820
	GRADIENT	.00002	-10.93792	-.00415	-.00253	.01446	.00250	.00260

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00C0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.051	1.54951	-150.26300	.01324	.00394	-.00662	-.00400	-.00511	
-4.075	1.54895	-132.91500	.00141	-.01655	.03692	.00413	.00091	
-4.096	.021	1.54913	-87.81248	-.00829	-.03279	.08504	.01314	.00906
-4.069	4.094	1.54862	-45.10779	-.01959	-.04475	.12520	.02015	.01705
	GRADIENT	-.00004	10.64548	-.00254	-.00342	.01071	.00194	.00196

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.880	1.54922	.03267	.03323	-.00834	-.00886	-.00417	-.00755
.001	-3.973	1.54934	-.00687	.00770	-.02980	.03782	.00413	-.00165
-.000	.057	1.54957	-.00689	-.00618	-.04813	.09468	.01434	.00649
-.001	4.055	1.54854	-.00682	-.01829	-.05724	.14477	.02279	.01657
	GRADIENT	-.00010	.00001	-.00324	-.00342	.01332	.00233	.00227

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.048	-8.120	1.54847	150.34000	.03826	-.01649	-.00256	-.00390	-.00899
4.072	-4.069	1.54899	132.60270	.00786	-.04036	.04345	.00416	-.00375
4.096	.015	1.54953	88.37342	-.01245	-.05565	.10395	.01517	.00348
4.069	4.101	1.54814	45.14017	-.02929	-.06360	.15982	.02490	.01355
	GRADIENT	-.00010	-10.70570	-.00455	-.00284	.01424	.00254	.00212

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC00C1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1477/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.993	.60094	31.39515	.00632	.00521	-.00623	-.00074	-.00607
-4.003	-3.942	.60092	52.26406	.00321	.00610	.03322	.00595	.00396
-4.010	.133	.60139	91.31242	.00167	.00620	.07537	.01307	.01491
-4.008	3.966	.59983	128.22310	.00045	-.00021	.11832	.02076	.02514
	GRADIENT	-.00014	9.60462	-.00035	-.00079	.01076	.00187	.00268

RUN NO. 1478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-7.941	.59914	-.00699	.01592	.00917	-.01603	-.00264	-.00707
-.002	-3.933	.59975	-.00698	.01442	.00879	.02672	.00490	.00405
-.003	.066	.60061	-.00686	.01323	.00806	.07109	.01270	.01566
-.003	4.031	.60002	-.00667	.01140	.00251	.11744	.02112	.02684
	GRADIENT	.00003	.00004	-.00038	-.00079	.01139	.00204	.00286

RUN NO. 1479/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.026	.59951	153.25420	.02875	.01060	-.01477	-.00293	-.00675
3.991	-3.987	.60116	135.90020	.02735	.00888	.03392	.00587	.00578
3.984	-.017	.60023	89.92244	.02513	.00680	.08308	.01454	.01806
3.989	3.996	.59938	43.27541	.02217	-.00022	.13041	.02344	.02956
	GRADIENT	-.00022	-11.60216	-.00065	-.00114	.01208	.00220	.00298

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00C2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .900 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1481/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-7.987	.89870	32.87276	-.01326	-.00147	-.00461	-.00156	-.00686
-4.010	-3.864	.90090	54.13212	-.01364	.00101	.03872	.00615	.00307
-4.002	.109	.90022	90.51813	-.01512	.00913	.08485	.01406	.01370
-4.006	4.139	.89973	127.82540	-.01165	.00444	.13645	.02290	.02594
	GRADIENT	-.00015	9.20913	.00025	.00043	.01221	.00209	.00286

RUN NO. 1482/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-7.890	.89961	-.00701	-.00246	.00140	-.01746	-.00382	-.00851
-.004	-3.896	.89980	.03256	.00009	.00467	.03093	.00467	.00365
-.003	-.025	.90000	.03273	.00382	.01449	.08123	.01347	.01599
-.006	3.958	.89965	-.04615	.00510	.01003	.13305	.02222	.02812
	GRADIENT	-.00002	-.01007	.00064	.00067	.01300	.00223	.00312

RUN NO. 1483/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.989	-7.951	.89942	151.89240	.01391	.00228	-.01110	-.00308	-.00698
3.986	-4.007	.90046	134.86510	.01623	.00617	.04374	.00646	.00682
3.974	.059	.90005	89.00906	.01888	.01530	.10229	.01676	.02064
3.994	3.987	.89990	44.74752	.01734	.00654	.15038	.02465	.03159
	GRADIENT	-.00007	-11.27277	.00014	.00006	.01335	.00228	.00310

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00C3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1484/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.026	1.09607	33.87069	-.02688	.01976	-.03563	-.00696	-.00757
-4.014	-3.877	1.10072	55.00640	-.02718	.02379	.01502	.00212	.00301
-4.012	.095	1.10138	90.16071	-.02266	.02250	.06811	.01154	.01363
-3.988	4.089	1.09933	126.75080	-.02160	.00253	.12466	.02192	.02308
	GRADIENT	-.00017	9.00600	.00070	-.00267	.01376	.00249	.00252

RUN NO. 1485/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.035	1.09775	-.00701	.00462	.02829	-.03647	-.00703	-.00764
-.003	-4.041	1.10138	-.00702	.00027	.03208	.01879	.00303	.00470
-.004	-.034	1.10105	-.00684	.00209	.02721	.08182	.01447	.01696
-.004	3.957	1.10022	-.00660	-.00847	.00124	.14086	.02480	.02658
	GRADIENT	-.00014	.00005	-.00109	-.00385	.01526	.00272	.00274

RUN NO. 1486/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.989	1.09737	151.05300	.01260	.03046	-.01983	-.00460	-.00659
3.993	-3.979	1.10115	133.71160	.00992	.03512	.04875	.00780	.00786
3.985	.035	1.10121	89.48560	.00803	.01690	.11645	.01994	.01982
3.995	4.049	1.09989	45.02603	-.00737	-.01049	.17188	.02920	.02934
	GRADIENT	-.00016	-11.04690	-.00215	-.00568	.01534	.00267	.00268

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1488/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .003	1.14777	1.14977	-.08607	.00211	.02258	.08008	.01379	.01395
-4.002	-8.008	1.14530	34.10995	-.02647	.01904	-.02905	-.00626	-.00635
-4.021	-3.846	1.15049	55.20480	-.02526	.02536	.02321	.00311	.00460
-4.003	.112	1.15104	90.04156	-.02146	.02170	.07848	.01332	.01435
-4.008	4.185	1.14981	127.10980	-.02130	-.00222	.13228	.02276	.02368
	GRADIENT	-.00008	8.95406	.00049	-.00345	.01358	.00245	.00238

RUN NO. 1489/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .001	-8.008	1.14795	-.00703	.00617	.02712	-.03057	-.00657	-.00671
- .001	-4.042	1.15067	-.04657	.00487	.03456	.03081	.00472	.00557
- .005	-.017	1.15069	-.00684	.00193	.01618	.09522	.01661	.01661
- .005	4.081	1.14985	-.00658	-.00332	-.01058	.15125	.02632	.02611
	GRADIENT	-.00010	.00491	-.00101	-.00556	.01482	.00266	.00253

RUN NO. 1490/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.052	1.14749	151.09290	.01830	.03021	-.01386	-.00390	-.00640
3.990	-3.976	1.15045	133.75110	.01124	.02296	.06341	.01040	.00700
3.989	.032	1.15068	89.92245	.01002	-.00278	.12621	.02151	.01832
3.994	4.066	1.15017	45.02608	.01036	-.02568	.17654	.02959	.02829
	GRADIENT	-.00004	-11.03343	-.00011	-.00605	.01407	.00239	.00265

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00C5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1491/ O		RN/L = 2.49		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.005	-7.877	1.24839	34.78778	-.00507	.02626	-.02441	-.00562
-4.020	-3.828	1.25063	55.44331	-.00892	.02731	.03242	.00507
-4.009	.156	1.25056	90.39899	-.01040	.00593	.08729	.01510
-3.992	4.119	1.25002	126.55220	-.01616	-.01865	.13650	.02359
	GRADIENT	-.00008	8.94800	-.00091	-.00578	.01310	.00233
							.00215
RUN NO. 1492/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-.001	-8.025	1.24899	-.00706	-.03340	.02953	-.02329	-.00562
-.003	-5.125	1.25008	-.00707	.02600	.02068	.02262	.00346
-.003	-4.035	1.25018	-.00704	.02439	.01572	.04043	.00678
-.005	.010	1.25003	-.00683	.02072	-.00754	.10327	.01797
	GRADIENT	-.00004	.00005	-.00091	-.00575	.01554	.00276
							.00266
RUN NO. 1493/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
3.991	-8.076	1.24901	150.97260	.04764	.01838	-.00526	-.00796
3.994	-3.974	1.25019	133.51270	.03575	-.00622	.06630	.00322
3.994	.044	1.25023	89.76359	.02485	-.02811	.13106	.01479
4.000	4.097	1.24983	44.98586	.01463	-.04241	.18052	.03017
	GRADIENT	-.00005	-10.96962	-.00262	-.00448	.01415	.00240

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00C6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1501/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-7.871	1.24879	34.78795	-.02375	.01832	-.01291	-.00456	-.00442
-4.019	-3.829	1.25046	55.44339	-.02384	.02073	.04270	.00589	.00480
-4.008	.154	1.25006	90.39899	-.02190	.00067	.09625	.01568	.01365
-3.990	4.108	1.24964	126.55210	-.02141	-.01841	.14386	.02377	.02221
	GRADIENT	-.00010	8.95949	.00031	-.00493	.01275	.00225	.00219

RUN NO. 1502/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.015	1.24890	-.00695	.01193	.02706	-.01415	-.00474	-.00595
-.002	-5.122	1.25039	-.00700	.01085	.01794	.03001	.00382	.00128
-.002	-4.023	1.25016	-.00699	.01001	.01277	.04806	.00718	.00425
-.003	.008	1.25006	-.00685	.00677	-.00702	.10966	.01808	.01510
	GRADIENT	-.00002	.00003	-.00080	-.00491	.01528	.00270	.00269

RUN NO. 1503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.986	-8.066	1.24898	151.01200	.02486	.01580	.00248	-.00181	-.00832
3.994	-3.964	1.25039	133.47290	.01827	-.00401	.07170	.01082	.00292
3.989	.048	1.25020	89.76359	.01790	-.02243	.13396	.02160	.01468
4.000	4.094	1.24974	44.98587	.01456	-.03831	.18245	.02971	.02494
	GRADIENT	-.00008	-10.98188	-.00046	-.00426	.01374	.00234	.00273

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00C7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.300 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.914	1.29910	34.70801	-.01633	.02457	-.00970	-.00403	-.00386
-4.021	-3.833	1.29985	55.48304	-.01846	.01240	.04548	.00650	.00420
-4.007	.117	1.30036	90.08128	-.01790	-.00579	.09634	.01566	.01289
-3.990	4.110	1.29976	126.55210	-.02100	-.02435	.14176	.02333	.02144
GRADIENT		-.00001	8.94742	-.00032	-.00463	.01212	.00212	.00217

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.040	1.29929	-.00698	.02083	.02222	-.01026	-.00383	-.00646
-.002	-4.007	1.30018	-.00699	.01881	.00241	.05052	.00758	.00338
-.004	.021	1.30015	-.00685	.01429	-.01699	.11119	.01827	.01390
-.004	3.995	1.29944	-.00663	.00637	-.03427	.15821	.02611	.02310
GRADIENT		-.00009	.00005	-.00155	-.00458	.01346	.00232	.00246

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.049	1.29904	150.81310	.03697	.00836	.00119	-.00211	-.00899
3.991	-3.984	1.30020	133.55230	.02714	-.01358	.06863	.01013	.00131
3.991	.056	1.30033	89.56503	.02091	-.03320	.13254	.02130	.01255
3.998	4.091	1.29978	44.98605	.01056	-.04668	.18200	.02950	.02298
GRADIENT		-.00005	-10.96778	-.00205	-.00410	.01404	.00239	.00268

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00C8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-7.854	1.34949	34.98821	-.00901	.02387	-.00593	-.00322	-.00408
-4.018	-3.811	1.35039	55.84089	-.01236	.00562	.04625	.00663	.00358
-4.004	.128	1.35019	90.35928	-.01217	-.00999	.09608	.01555	.01225
-4.001	4.202	1.34965	127.10940	-.01776	-.02767	.14243	.02337	.02126
	GRADIENT	-.00009	8.89535	-.00068	-.00416	.01200	.00209	.00221

RUN NO. 1509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.031	1.34904	-.00697	.02789	.01759	-.00857	-.00350	-.00719
-.002	-4.000	1.34993	-.00700	.02437	-.00511	.05266	.00779	.00250
-.004	.015	1.34993	-.00684	.01676	-.02170	.11101	.01804	.01274
-.004	3.993	1.34910	-.00661	.00682	-.04127	.15858	.02600	.02206
	GRADIENT	-.00010	.00005	-.00220	-.00452	.01325	.00228	.00245

RUN NO. 1510/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.050	1.34912	150.77300	.04284	-.00113	.00236	-.00205	-.00927
3.996	-4.042	1.35026	133.79140	.03082	-.02354	.06645	.00965	-.00037
3.989	.056	1.34977	89.44589	.01808	-.03834	.12877	.02057	.01036
3.999	4.087	1.35056	45.02575	.00197	-.05360	.17897	.02894	.02085
	GRADIENT	.00004	-10.91989	-.00355	-.00370	.01385	.00237	.00261

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-7.861	1.39965	35.02819	-.00393	.01881	-.00201	-.00260	-.00417
-4.021	-3.816	1.40070	55.95997	-.00637	-.00161	.04954	.00697	.00334
-4.001	.119	1.40036	90.35927	-.00802	-.01538	.09813	.01564	.01209
-3.992	4.109	1.39957	126.51250	-.01388	-.03287	.14117	.02295	.02000
GRADIENT		-.00014	8.90338	-.00095	-.00395	.01156	.00202	.00210

RUN NO. 1513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.01	-8.015	1.39954	-.00699	.03061	.00729	-.00546	-.00320	-.00759
-0.01	-4.004	1.40014	-.04655	.02364	-.01591	.05342	.00768	.00100
-0.05	.018	1.40001	-.04642	.01339	-.03044	.11152	.01788	.01114
-0.04	3.996	1.39942	-.00661	.00335	-.04651	.15830	.02564	.02058
GRADIENT		-.00009	.00498	-.00254	-.00383	.01311	.00224	.00245

RUN NO. 1514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.987	-8.061	1.39940	150.73230	.04606	-.00710	.00191	-.00227	-.00955
4.003	-3.974	1.40056	133.15520	.02794	-.03085	.06323	.00880	-.00181
3.997	.070	1.39980	89.04875	.01085	-.04255	.12718	.02000	.00846
3.997	4.075	1.40025	45.06569	-.00850	-.05649	.17727	.02835	.01904
GRADIENT		-.00004	-10.94353	-.00453	-.00319	.01417	.00243	.00259

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00DO) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 999.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 1515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.950	-7.869	1.54814	34.91298	.00669	.00151	.00140	-.00227	-.00514
-3.932	-3.768	1.54965	56.12310	-.00325	-.01690	.05078	.00680	.00167
-3.906	.122	1.55050	90.83574	-.00707	-.02804	.09678	.01501	.01016
-3.908	4.054	1.54944	126.82620	-.01446	-.04145	.13426	.02143	.01776
GRADIENT		-.00003	9.03875	-.00143	-.00314	.01067	.00187	.00206

RUN NO. 1516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-7.941	1.54847	-.00693	.02912	-.00843	-.00006	-.00253	-.00797
-.002	-3.904	1.55005	-.00697	.01030	-.02771	.04863	.00618	-.00172
-.003	.114	1.54974	-.00684	-.00219	-.04076	.10557	.01643	.00704
-.006	4.096	1.54728	-.04619	-.01502	-.05209	.15349	.02438	.01724
GRADIENT		-.00035	-.00490	-.00316	-.00305	.01311	.00228	.00237

RUN NO. 1517/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.036	-8.158	1.54800	150.57840	.03498	-.01777	.00761	-.00189	-.00928
4.063	-4.060	1.54934	132.84080	.00933	-.03811	.05394	.00629	-.00398
4.099	.059	1.54965	88.57201	-.01251	-.04974	.11521	.01723	.00393
4.066	4.140	1.54923	45.02102	-.03251	-.05934	.16324	.02653	.01430
GRADIENT		-.00001	-10.70976	-.00510	-.00259	.01406	.00247	.00223

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,2

(SCOOD1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.095	.59982	-153.34010	.00916	.00686	-.01204	-.00182	-.00709
-4.000	-4.003	.60092	-135.69660	.00733	.00754	.02681	.00502	.00293
-4.001	-.006	.60068	-88.44800	.00509	.00775	.06505	.01189	.01255
-4.003	3.976	.59947	-43.04343	.00373	.00140	.10746	.01962	.02229
	GRADIENT	-.00018	11.61130	-.00045	-.00077	.01011	.00183	.00243

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.013	.59905	-.00669	.01889	.01207	-.02160	-.00327	-.00899
.001	-3.930	.60059	-.00684	.01774	.01113	.02305	.00453	.00252
.001	-.002	.60120	-.00691	.01683	.00985	.06818	.01233	.01424
-.000	4.066	.60024	-.00691	.01570	.00209	.11595	.02098	.02574
	GRADIENT	-.00004	-.00001	-.00026	-.00113	.01162	.00206	.00290

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.092	.59864	153.41510	.03005	.01390	-.01601	-.00282	-.00730
3.996	-4.023	.60076	136.09960	.02852	.01148	.03505	.00601	.00568
3.995	-.010	.60109	88.96934	.02652	.00800	.08405	.01470	.01798
3.999	3.968	.60071	43.23491	.02323	-.00040	.13144	.02351	.02941
	GRADIENT	-.00001	-11.62148	-.00066	-.00149	.01206	.00219	.00297

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1.2 (SC00D2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.097	.79825	-152.53870	.00197	.00450	-.00663	-.00159	-.00783
-3.999	-4.009	.80030	-134.97990	.00109	.00543	.03476	.00576	.00249
-3.992	-.077	.80010	-89.63912	.00014	.00825	.07363	.01261	.01253
-4.005	3.929	.79984	-44.31657	-.00024	.00437	.11928	.02080	.02315
	GRADIENT	-.00006	11.42131	-.00017	-.00014	.01065	.00189	.00260

RUN NO. 1725/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.046	.80001	-.00660	.01465	.00951	-.01776	-.00340	-.00979
.002	-4.008	.80042	-.00681	.01472	.00968	.02901	.00473	.00229
.001	-.015	.79953	-.00691	.01636	.01137	.07689	.01297	.01482
.000	4.075	.79937	-.00693	.01492	.00638	.12904	.02241	.02741
	GRADIENT	-.00013	-.00002	.00002	-.00041	.01238	.00219	.00311

RUN NO. 1726/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-7.996	.79894	152.37390	.03016	.01211	-.00617	-.00211	-.00644
4.001	-4.046	.80054	135.42330	.02964	.01141	.04418	.00683	.00663
3.991	-.059	.80067	90.00190	.02826	.01123	.09528	.01583	.01948
4.005	3.909	.79964	44.58757	.02473	.00516	.14904	.02573	.03200
	GRADIENT	-.00011	-11.41930	-.00062	-.00078	.01318	.00238	.00319

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(SC00D3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.978	.89972	-151.77750	-.01013	.00070	-.00853	-.00237	-.00805
-3.999	-4.072	.90030	-134.82060	-.01018	.00322	.03142	.00506	.00132
-3.991	-.008	.90020	-88.52742	-.01053	.01124	.07529	.01281	.01155
-3.997	3.991	.89994	-44.19781	-.00768	.00780	.12611	.02190	.02253
	GRADIENT	-.00004	11.24017	.00031	.00057	.01174	.00209	.00263

RUN NO. 1728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.052	.90002	-.00656	.00374	.00353	-.02374	-.00472	-.01089
.003	-4.055	.90042	-.00679	.00582	.00714	.02483	.00377	.00140
.002	-.028	.89989	-.00692	.01075	.01709	.07886	.01316	.01448
.001	3.958	.89956	-.00696	.00932	.01016	.13182	.02206	.02657
	GRADIENT	-.00011	-.00002	.00044	.00038	.01335	.00228	.00314

RUN NO. 1729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.001	-7.958	.89999	151.81400	.02250	.00571	-.00910	-.00278	-.00721
4.002	-4.055	.90005	134.94580	.02399	.01034	.04396	.00646	.00652
3.996	.008	.90093	88.92963	.02487	.01749	.10365	.01692	.02033
3.997	3.996	.89982	44.30959	.02174	.00343	.15623	.02573	.03124
	GRADIENT	-.00003	-11.25908	-.00028	-.00085	.01395	.00239	.00307

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (SC00D4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000
LREF = 474.8100
BREF = 936.6800
SCALE = .0300

MACH	=	.950	IEABOX	=	.000
IB-ELV	=	10.000	OB-ELV	=	5.000

PARAMETRIC DATA

RUN NO.	1730	0	RN/L	=	2.50	GRADIENT INTERVAL	=	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
	-4.000	-8.094	.94911	-151.81760	-.01223	.00056	-.01671	-.00406	-.00865
	-4.002	-4.078	.95033	-134.50230	-.01161	.00536	-.02619	.00385	.00110
	-3.994		.95112	-87.77306	-.01261	.01351	.07155	.01199	.01119
	-3.998	3.993	.94913	-44.31712	-.01161	.00728	.12016	.02030	.02136
		CRADIENT	-.00015	11.17456	-.00000	.00025	.01164	.00204	.00251

PIIN	NO	1731 / 0	RN/L = 2.49	GRADIENT INTERVAL = -5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.058	.95008	-.00658	.00094	.00115	-.02900	-.00582	-.01083
.002	-4.047	.95023	-.00680	.00683	.00738	.02174	.00317	.00143
.001	.94975	-.00692	-.00692	.01093	.01758	.07563	.01245	.01415
.000	3.976	.94891	-.00694	.00617	.01052	.12980	.02131	.02544
GRADIENT		-.00016	-.00002	-.00039	.00326	.01347	.00226	.00299

RUN NO	1732	0	RN/L	=	2.50	GRADIENT INTERVAL	=	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
1	3.997	-7.943	.95005	151.49340	.02240	.00559	-.01277	-.00367	-.00677
2	4.000	-4.054	.95032	134.58750	.02598	.00974	.04268	.00629	.00676
3	3.989	.042	.95009	88.25451	.02850	.01924	.10230	.01637	.02023
4	4.001	3.987	.94874	44.42868	.02449	.00106	.15523	.02502	.03018
5		GRADIENT	-.00020	-11.21331	-.00018	-.00106	.01400	-.00233	.00292

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D5) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.050						IEABOX = .000
IB-ELV	=	10.000						OB-ELV = 5.000

PARAMETRIC DATA

RUN NO.	1733/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
	-4.005	-8.101	1.05037	-151.21760	-0.03887	-0.10777	-0.03266	-0.00574	-0.00997
	-4.002	-4.018	1.04856	-133.62670	-0.02573	-0.1389	-0.1769	-0.0238	-0.0112
	-3.998	.020	1.05056	-88.56712	-0.01963	-0.1729	-0.6836	-0.1146	-0.1195
	-3.997	4.004	1.05004	-44.91391	-0.1743	-0.0200	-0.12310	-0.02136	-0.02164
		GRADIENT	.00019	11.05908	-0.0104	-0.00148	-0.1314	-0.0237	-0.0256

RUN NO.	1734	/	0	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00	/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
.004	-8.020	1.04975	-.00657	-.00696	0.1873	-.03381	-.00686	-.00950
.002	-4.045	1.05192	-.00680	-.00509	0.2532	0.2303	-.00337	-.00332
.001	-.005	1.05087	-.00691	-.00195	0.2320	0.8731	0.1434	0.1604
-.000	3.967	1.04964	-.00691	-.00035	0.0191	0.14271	0.02390	0.02637
	GRADIENT	1.00028	-.00001	-.00256	-.00292	0.1494	-.00288	0.00288

RUN NO.	1735/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.034	1.04953	151.21370	.01258	.02012	-.01383	-.00391	-.00657
3.998	-4.011	1.05084	133.91090	.01087	.02635	.05664	.00863	-.00846
4.004	.015	1.05052	89.40618	-.00055	.01298	12474	.02042	.02048
4.001	4.010	1.04994	44.98579	-.00262	-.01739	.17485	.02821	.03024
GRADIENT	-.00011	-.00011	-11.08643	-.00168	-.00545	-.01474	.00244	.00272

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.063	1.09762	-151.09670	-.03024	.02211	-.04100	-.00800	-.00925
-4.001	-4.091	1.10122	-134.06450	-.03179	.02352	.00931	.00118	.00110
-4.000	.009	1.10058	-88.72593	-.02514	.02315	.06059	.01048	.01139
-3.999	4.002	1.09949	-44.91381	-.02309	.00390	.11564	.02067	.02052
	GRADIENT	-.00021	11.01625	.00108	-.00241	.01314	.00241	.00240

RUN NO. 1738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.092	1.09922	-.00653	.00049	.02783	-.04153	-.00777	-.00926
.003	-4.010	1.10171	-.00679	-.00232	.03068	.01741	.00277	.00375
.002	-.041	1.10070	-.00692	-.00256	.02708	.08117	.01429	.01587
.001	3.964	1.09933	-.00696	-.01154	.00007	.14015	.02447	.02544
	GRADIENT	-.00030	-.00002	-.00116	-.00384	.01539	.00272	.00272

RUN NO. 1739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.044	1.09840	151.13320	.01103	.03022	-.02013	-.00462	-.00652
3.998	-4.013	1.10181	133.71190	.00599	.03395	.05035	.00793	.00808
4.000	.015	1.10091	88.85020	.00503	.01223	.11723	.01988	.01986
3.998	4.003	1.09999	44.90646	.00304	-.01395	.17094	.02881	.02930
	GRADIENT	-.00023	-11.07786	-.00037	-.00598	.01504	.00261	.00265

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI
 -4.001 -8.028 1.15261 -150.81700
 -4.000 -4.077 1.15216 -134.02450
 -4.000 .018 1.15150 -88.88475
 -4.000 4.013 1.15003 -44.99329
 GRADIENT -.00026 11.00491
 CHEI CHEO CNW CBW CTW
 -.02957 .02107 -.03531 -.00724 -.00801
 -.02845 .02659 .01757 .00226 .00270
 -.02428 .02360 .07227 .01248 .01237
 -.02189 -.00084 .12188 .02145 .02075
 .00081 -.00338 .01290 .00237 .00223

RUN NO. 1741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI
 .004 -8.014 1.14954 -.00653
 .003 -4.060 1.15115 -.00678
 .002 -.032 1.15084 -.00692
 .000 3.959 1.14988 -.00695
 GRADIENT -.00016 -.00002
 CHEI CHEO CNW CBW CTW
 .00306 .02629 -.03561 -.00714 -.00817
 .00181 .03441 .02696 .00423 .00418
 -.00169 .01391 .09279 .01621 .01536
 -.00536 -.00888 .14570 .02510 .02480
 -.00089 -.00540 .01481 .00260 .00257

RUN NO. 1742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI
 3.998 -8.069 1.14814 151.09340
 4.003 -4.016 1.15052 133.75200
 4.000 .017 1.15092 89.32676
 3.998 4.005 1.15002 45.02583
 GRADIENT -.00006 -11.06143
 CHEI CHEO CNW CBW CTW
 .01860 .03149 -.01308 -.00378 -.00582
 .01039 .02410 .06416 .01042 .00740
 .00602 -.00562 .12709 .02144 .01855
 .01150 -.02438 .17662 .02942 .02827
 .00014 -.00605 .01402 .00237 .00260

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1743/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-8.040	1.25049	-150.61740	-.00864	.02393	-.03145	-.00671	-.00583
-4.003	-4.081	1.25067	-133.74610	-.01153	.02670	.02401	.00381	.00279
-4.000	.014	1.25018	-88.76565	-.01324	.00740	.07617	.01349	.01155
-4.000	4.029	1.25003	-44.99328	-.01870	-.01474	.12665	.02218	.01996
	GRADIENT	-.00008	10.94394	-.00088	-.00511	.01266	.00227	.00212

RUN NO. 1744/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.042	1.24956	-.00651	.02774	.02938	-.02640	-.00562	-.00661
.003	-4.036	1.25072	-.00677	.02014	.01469	.03745	.00635	.00347
.002	-.046	1.25015	-.00692	.01770	-.00804	.09962	.01737	.01437
.001	3.955	1.24945	-.00696	.00484	-.02989	.15077	.02592	.02351
	GRADIENT	-.00016	-.00002	-.00192	-.00558	.01418	.00245	.00251

RUN NO. 1745/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.005	-8.065	1.24968	150.81440	.04605	.02042	-.00156	-.00172	-.00664
4.002	-4.024	1.25012	133.59280	.03378	-.00406	.06798	.01092	.00435
4.005	.017	1.24979	89.24733	.02383	-.02520	.13036	.02170	.01559
3.998	4.028	1.25005	45.02579	.01477	-.04183	.18021	.02989	.02513
	GRADIENT	-.00001	-10.99917	-.00236	-.00469	.01394	.00236	.00258

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SC00D9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.035	1.24903	-150.69660	-.02887	.01885	-.02320	-.00560	-.00590
-4.001	-4.013	1.24977	-133.38780	-.02508	.02236	.03204	.00499	.00321
-3.999	.016	1.25027	-89.04356	-.02536	.00233	.08415	.01454	.01176
-3.998	4.012	1.24977	-45.15257	-.02079	-.01685	.13108	.02274	.02019
GRADIENT		.00000	10.99535	.00053	-.00489	.01234	.00221	.00212

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.001	-7.988	1.24938	.03273	.00819	.02867	-.01933	-.00478	-.00644
.002	-4.062	1.25036	-.00684	.00636	.01456	.04235	.00687	.00357
.000	-.045	1.25013	-.00690	.00097	-.00810	.10442	.01791	.01427
-0.001	3.989	1.24965	-.00688	-.00778	-.02877	.15419	.02628	.02370
GRADIENT		-.00009	-.00001	-.00176	-.00538	.01389	.00241	.00250

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.031	1.24925	150.81360	.02527	.02091	.00315	-.00107	-.00656
4.002	-4.017	1.25009	133.63260	.01701	-.00388	.07287	.01154	.00450
4.000	.018	1.25027	89.44588	.01711	-.02392	.13301	.02201	.01593
4.000	4.017	1.24986	45.18484	.00916	-.04014	.18112	.03000	.02545
GRADIENT		-.00003	-11.00788	-.00098	-.00451	.01347	.00230	.00261

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (SCOOEO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1702/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.031	1.29909	-150.57700	-.01828	.02742	-.01820	-.00481	-.00511
-4.001	-4.022	1.30003	-133.34800	-.01857	.01333	.03511	.00541	.00321
-3.995	.018	1.30004	-88.84503	-.01950	-.00514	.08766	.01500	.01151
-4.001	4.027	1.29997	-45.03296	-.02257	-.02552	.13043	.02249	.01957
	GRADIENT	-.00001	10.97207	-.00050	-.00483	.01184	.00212	.00203

RUN NO. 1703/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.072	1.29944	-.00668	.01725	.02277	-.01562	-.00400	-.00681
.001	-4.065	1.30038	-.00684	.01623	.00145	.04456	.00724	.00274
.000	-.037	1.30000	-.00690	.01203	-.01829	.10477	.01784	.01318
-.000	3.958	1.29945	-.00688	.00042	-.03532	.15287	.02582	.02245
	GRADIENT	-.00012	-.00001	-.00197	-.00458	.01350	.00232	.00246

RUN NO. 1704/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.035	1.29981	150.73370	.03743	.00990	.00345	-.00116	-.00719
4.002	-4.008	1.30025	133.47350	.02621	-.01387	.06987	.01082	.00320
3.996	.025	1.30033	89.28703	.02026	-.03238	.13058	.02146	.01402
4.002	4.024	1.29980	45.14491	.01140	-.04661	.17907	.02944	.02373
	GRADIENT	-.00006	-10.99676	-.00184	-.00408	.01360	.00232	.00256

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SCOOE1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-8.026	1.34917	-150.49710	-.01011	.02588	-.01476	-.00416	-.00530
-4.000	-4.012	1.34982	-133.10910	-.01273	.00419	.03718	.00578	.00232
-4.003	.017	1.35004	-88.56711	-.01628	-.01107	.08642	.01475	.01064
-4.002	4.017	1.34991	-45.11248	-.02225	-.02687	.12901	.02219	.01914
	GRADIENT	.00001	10.95934	-.00119	-.00387	.01144	.00204	.00209

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-7.980	1.34978	.03272	.02366	.01686	-.01159	-.00325	-.00706
.001	-4.046	1.35070	-.00684	.02083	-.00623	.04732	.00757	.00205
.000	-.034	1.35003	-.00690	.01345	-.02244	.10468	.01761	.01212
-.001	3.991	1.34962	-.00687	.00245	-.03994	.15273	.02557	.02158
	GRADIENT	-.00013	-.00000	-.00229	-.00419	.01312	.00224	.00243

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.044	1.34940	150.69360	.04284	.00120	.00454	-.00111	-.00769
4.002	-4.013	1.35003	133.39390	.02966	-.02480	.07034	.01085	.00152
3.999	.020	1.35002	89.20760	.01671	-.03806	.12780	.02089	.01204
4.000	4.022	1.34962	45.14501	.00233	-.05195	.17630	.02886	.02182
	GRADIENT	-.00005	-10.98207	-.00340	-.00338	.01319	.00224	.00253

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (SC00E2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1709/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.007	-8.040	1.39887	-150.41750	-.00446	.02034	-.01434	-.00394	-.00582
-3.999	-4.021	1.39996	-132.98960	-.00946	-.00047	.03749	.00577	.00216
-3.996	.021	1.40000	-88.36860	-.01420	-.01568	.08715	.01485	.01029
-3.998	4.013	1.39953	-45.07299	-.02119	-.03115	.12782	.02186	.01845
	GRADIENT	-.00005	10.94219	-.00146	-.00382	.01124	.00200	.00203

RUN NO. 1710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.066	1.39984	-.00669	.02679	.00808	-.01054	-.00323	-.00758
.001	-4.045	1.40074	-.00685	.01998	-.01693	.04856	.00762	.00086
-.000	-.045	1.40021	-.00690	.01058	-.03191	.10499	.01748	.01061
-.001	3.945	1.39970	-.00686	-.00074	-.04571	.15084	.02510	.01994
	GRADIENT	-.00013	-.00000	-.00259	-.00360	.01280	.00219	.00239

RUN NO. 1711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.038	1.40026	150.61350	.04382	-.00585	.00576	-.00105	-.00794
4.002	-4.010	1.40042	133.27450	.02447	-.02924	.06483	.00963	-.00016
3.997	.027	1.40036	88.92962	.00818	-.04252	.12675	.02047	.01016
4.005	4.040	1.39983	45.06513	-.00931	-.05566	.17526	.02846	.02006
	GRADIENT	-.00007	-10.95814	-.00420	-.00328	.01372	.00234	.00251

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SCOOE3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.051	-8.139	1.55233	-150.34300	.00400	.00184	-.00937	-.00330	-.00589
-4.079	-4.160	1.54945	-133.07450	-.00655	-.01719	.03692	.00542	.00048
-4.095	.024	1.54880	-87.81248	-.01284	-.02824	.08466	.01414	.00880
-4.067	4.093	1.54889	-44.98856	-.02076	-.04149	.12285	.02073	.01643
	GRADIENT	-.00007	10.67347	-.00172	-.00294	.01042	.00186	.00193

RUN NO. 1713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-7.967	1.54853	-.00668	.02697	-.00873	-.00409	-.00242	-.00761
.001	-3.965	1.54918	-.00685	.00794	-.02817	.04356	.00610	-.00156
.000	.054	1.54804	-.00690	-.00518	-.04181	.09972	.01610	.00703
-.000	4.064	1.54872	-.00689	-.01925	-.05229	.14632	.02388	.01686
	GRADIENT	-.00006	-.00000	-.00339	-.00300	.01280	.00221	.00229

RUN NO. 1714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.046	-8.128	1.54800	150.45960	.03256	-.01760	.00862	-.00079	-.00828
4.076	-4.091	1.54909	132.92130	.00525	-.03866	.05485	.00728	-.00281
4.103	.032	1.55000	88.41314	-.01601	-.04924	.11468	.01792	.00534
4.067	4.083	1.54814	45.14035	-.03603	-.05956	.16669	.02669	.01534
	GRADIENT	-.00012	-10.73925	-.00505	-.00256	.01368	.00238	.00222

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.895	.59862	.03255	.02222	.00479	-.00847	-.00036	-.00818
.000	-3.945	.59952	-.00688	.01921	.00396	.03566	.00758	.00306
-.000	.077	.60006	-.00689	.01757	.00002	.08211	.01594	.01465
-.001	4.059	.60048	-.00686	.01657	-.00900	.12915	.02482	.02613
	GRADIENT	.00012	.00000	-.00033	-.00162	.01168	.00215	.00288

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.913	.80005	.03259	.00764	.00432	-.00732	-.00064	-.00924
-.001	-4.026	.79996	.03266	.00728	.00468	.03881	.00757	.00250
-.000	.077	.79968	-.00689	.00846	.00196	.08973	.01666	.01523
.002	3.974	.79940	.03262	.01053	-.00504	.14229	.02638	.02762
	GRADIENT	-.00007	-.00009	.00041	-.00121	.01293	.00235	.00314

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(SC00E6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.038	.90022	.03259	.01523	.00230	-.01968	-.00332	-.00966
.001	-4.530	.90015	-.00686	.01521	.00237	.02530	.00489	.00076
.001	-4.036	.89989	-.00687	.01492	.00233	.03198	.00606	.00247
.000	-.013	.89964	.03268	.01198	.00678	.08650	.01580	.01478
.002	4.092	.89926	.03261	.01583	-.00532	.14158	.02522	.02724
	GRADIENT	-.00009	.00515	.00001	-.00072	.01349	.00236	.00306

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(SC00E7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.044	.94995	-.00679	.00416	-.00151	-.02271	-.00369	-.00993
-.001	-4.026	.94990	.03266	.00765	.00040	.02952	.00586	.00190
.000	-.018	.94966	.03269	.00369	-.00095	.08578	.01607	.01386
-.001	4.085	.94926	-.00685	.00797	-.01796	.14430	.02592	.02588
	GRADIENT	-.00008	-.00489	.00004	-.00227	.01415	.00247	.00296

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
-.003	-8.023	1.04957	.03256	.02075	.00545	-.02873	-.00449	-.00886
.000	-4.045	1.05012	-.00690	.00754	.00759	.02817	.00601	.00343
-.001	-.021	1.05010	-.00688	.00401	.00361	.09264	.01773	.01610
-.002	4.085	1.04964	-.00679	.00260	-.01559	.15099	.02780	.02669
	GRADIENT	-.00006	.00001	-.00061	-.00286	.01510	.00268	.00286

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
.001	-8.039	1.09907	-.00679	.05075	.00549	-.03278	-.00494	-.00794
-.002	-4.747	1.10058	.03265	.03473	.00730	.01463	.00377	.00200
-.001	-3.999	1.10002	.03266	.03293	.00657	.02460	.00558	.00430
-.000	-.032	1.10020	.03269	.02551	.00117	.08796	.01713	.01650
-.001	4.108	1.09942	-.00683	.00718	-.02232	.14761	.02766	.02607
	GRADIENT	-.00010	-.00417	-.00302	-.00323	.01515	.00272	.00274

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00FO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.055	1.14914	.03261	.05071	.00389	-.02991	-.00477	-.00757
.000	-4.050	1.15104	-.00689	.03936	.00909	.03400	.00710	.00483
-.001	-.026	1.15031	-.00689	.03146	-.00858	.09870	.01894	.01592
-.001	3.966	1.14943	-.00681	.01468	-.03277	.15221	.02827	.02492
	GRADIENT	-.00020	.00001	-.00308	-.00522	.01475	.00264	.00251

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.071	1.24923	.03260	.05925	.00562	-.02092	-.00353	-.00688
.001	-5.152	1.25046	-.00687	.05084	-.00442	.02720	.00578	.00042
.000	-4.080	1.24996	-.00689	.04828	-.00834	.04515	.00912	.00336
-.001	-.039	1.24984	-.00689	.04050	-.02825	.10740	.02016	.01420
-.002	3.968	1.25011	-.00679	.02464	-.05218	.15687	.02856	.02347
	GRADIENT	.00002	.00001	-.00294	-.00545	.01388	.00242	.00250

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.068	1.34990	-.00674	.05876	-.00376	-.01276	-.00233	-.00851
.001	-4.031	1.35005	-.00688	.04775	-.02608	.05165	.00972	.00097
-.000	-.022	1.34994	.03269	.03286	-.04165	.11111	.02014	.01117
-.002	3.972	1.34983	-.00679	.01914	-.06047	.15904	.02801	.02095
	GRADIENT	-.00003	.00002	-.00357	-.00430	.01342	.00229	.00250

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.078	1.39969	.03261	.05662	-.01149	-.00952	-.00216	-.00851
-.002	-4.847	1.40043	.03264	.04473	-.03056	.03949	.00698	-.00199
-.002	-4.052	1.40010	.03265	.04082	-.03456	.05228	.00934	-.00017
-.001	-.031	1.39961	-.00689	.02347	-.04794	.11145	.01974	.00965
.001	3.957	1.39983	.03270	.00924	-.06361	.15815	.02745	.01939
	GRADIENT	-.00006	-.00096	-.00404	-.00368	.01353	.00233	.00243

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SCDOF4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.964	1.54892	-.00679	.04717	-.02269	-.00238	-.00164	-.00826
.000	-3.947	1.54879	-.00689	.02332	-.04499	.04823	.00770	-.00238
-.001	.069	1.54845	-.00689	.00077	-.05640	.10506	.01792	.00558
-.001	4.058	1.54824	-.00681	-.01531	-.06637	.15282	.02589	.01569
	GRADIENT	-.00007	.00001	-.00483	-.00267	.01307	.00227	.00226

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.067	1.29924	150.89310	.06771	-.01089	-.00295	-.00091	-.01030
4.000	-4.008	1.30002	133.63250	.05234	-.03579	.06760	.01208	-.00029
3.992	.005	1.30027	90.51815	.03420	-.05315	.13439	.02357	.01123
4.009	4.108	1.29989	45.34338	.01151	-.07203	.18480	.03208	.02153
	GRADIENT	-.00002	-10.87888	-.00503	-.00447	.01443	.00246	.00269

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-7.978	1.34949	150.57350	.06539	-.01930	.00028	-.00065	-.01065
3.997	-4.097	1.34967	134.10970	.04744	-.04145	.06460	.01115	-.00209
3.996	.011	1.35021	90.31959	.02410	-.05583	.13084	.02273	.00899
3.995	3.993	1.34994	45.98097	-.00076	-.07236	.18026	.03095	.01924
	GRADIENT	.00003	-10.89265	-.00596	-.00382	.01431	.00245	.00264

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00F7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.891	.60025	-.00689	.01415	.00793	.02929	.00528	.00424
.000	-3.888	.60012	-.00690	.01413	.00792	.02921	.00529	.00427
	GRADIENT	-.05357	-.00126	-.00614	-.00084	-.03237	.00307	.01186

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00F8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.871	.79996	-.00689	.00771	.00880	.03609	.00577	.00463
-.001	-3.872	.79958	.03266	.00752	.00890	.03598	.00578	.00456
	GRADIENT	.75000	-80.04297	.39258	-.19141	.23438	-.00977	.12891

PARAMETRIC DATA

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.981	.89963	-.00689	.00116	.00806	.03356	.00514	.00371
.000	-3.973	.89986	-.00689	.00106	.00804	.03368	.00516	.00371
GRADIENT		.03049	.00010	-.01351	-.00299	.01626	.00225	.00086

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 414/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.969	.94959	-.00690	.00311	.01081	.03054	.00464	.00364
.000	-3.969	.94982	-.00690	.00379	.01097	.03059	.00462	.00363
GRADIENT		-.25000	.00000	-.14160	-.03516	-.02344	.00391	.00098

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.979	1.04945	-.00691	-.00070	.02735	.03049	.00474	.00475
.000	-3.975	1.04944	-.00691	-.00066	.02739	.03040	.00476	.00475
GRADIENT		.00000	-.00080	.01338	.00984	-.02488	.00420	.00123

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-3.855	1.09980	.03265	.00390	.03093	.02764	.00446	.00552
-.002	-3.864	1.09982	.03265	.00415	.03092	.02735	.00443	.00548
	GRADIENT	-.00318	.00010	-.02843	.00144	.03249	.00379	.00404

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-3.937	1.15070	.03263	.00836	.03509	.03742	.00609	.00587
-.002	-3.935	1.15021	.03263	.00807	.03539	.03780	.00613	.00594
	GRADIENT	-.20588	-.00184	-.10110	.10202	.13051	.01068	.02378

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 421/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-3.889	1.24953	-.00691	.02348	.01419	.05025	.00830	.00502
-.002	-3.892	1.24956	.03264	.02370	.01425	.04995	.00827	.00501
	GRADIENT	-.03846	-15.36388	-.08774	-.02674	.11418	.01232	.00376

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 447/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -.000 -3.873 1.24958 -.00691 .02383 .01375 .04583 .00826 .00463
 -.002 -3.872 1.24971 .03264 .02378 .01376 .04592 .00827 .00465
 GRADIENT .00000 27.12207 -.02930 .00684 .05469 .00879 .01172

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 451/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -.002 -3.804 1.29989 .03264 .02887 .00083 .05016 .00888 .00389
 -.002 -3.809 1.29987 .03264 .02898 .00099 .05003 .00887 .00389
 GRADIENT .00000 .00066 -.02227 -.03513 .02693 .00175 -.00060

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 452/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -.002 -3.854 1.34943 .03264 .03307 -.00727 .05006 .00875 .00274
 -.002 -3.866 1.35009 .03264 .03332 -.00735 .04970 .00871 .00266
 GRADIENT -.05611 .00005 -.02052 .00699 .00388 .00639

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-3.872	1.39966	.03263	.02934	-.01881	.05084	.00862	.00109
-.000	-3.873	1.40003	-.00692	.02920	-.01879	.05087	.00862	.00110
	GRADIENT	-.50000	60.30859	.21875	-.03906	-.04688	.00000	-.01416

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (SC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-3.921	1.24969	.03266	.01121	.01228	.05006	.00848	.00380
-.001	-3.913	1.24984	.03266	.01094	.01220	.05046	.00852	.00384
	GRADIENT	.01852	.00012	-.03394	-.01033	.04977	.00446	.00450

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (SC00H0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 459/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.912	1.40077	-.00690	.01999	-.02035	.05488	.00877	.00061
-.002	-3.911	1.40001	.03265	.01962	-.02043	.05496	.00877	.00059
	GRADIENT	-1.00000	76.21875	-.71094	-.14844	.15625	.01172	-.04932

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(SCOOH1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-3.855	1.54886	.03269	.00877	-.03397	.05119	.00718	-.00208
-4.005	-3.857	1.54841	.03269	.00875	-.03396	.05144	.00720	-.00203
-3.996	GRADIENT	.50000	-.00521	.01693	-.01563	-.21354	-.01758	-.03483

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SCOOH2) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.056	.89947	32.87314	-.01970	-.00733	-.00058	-.00091	-.00908
-4.005	-3.934	.89996	54.13235	-.01954	-.00522	.04505	.00745	.00104
-3.996	.002	.89974	90.47840	-.02168	-.00292	.09240	.01588	.01157
-4.002	4.065	.90006	127.78540	-.01911	-.00836	.14714	.02567	.02373
	GRADIENT	.00001	9.20802	.00006	-.00040	.01277	.00228	.00284

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SCOOH3) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 773/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.082	1.04732	33.79118	-.04721	-.01388	-.01727	-.00427	-.01015
-4.011	-3.965	1.05168	54.76803	-.04115	-.01030	.03410	.00528	.00064
-4.012	.001	1.05008	90.04156	-.03220	-.01364	.08764	.01485	.01173
-3.998	4.079	1.04964	127.06950	-.03005	-.02431	.14686	.02570	.02235
	GRADIENT	-.00025	8.98889	.00138	-.00175	.01402	.00254	.00270

RUN NO. 775/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.040	1.04831	-.00684	-.02080	-.00609	-.02449	-.00551	-.01081
-.002	-4.045	1.05187	.03262	-.02245	-.00146	.03219	.00520	.00140
-.002	-.020	1.05054	-.00688	-.01768	-.00312	.09604	.01686	.01417
.000	4.092	1.04898	.03275	-.01479	-.03243	.15616	.02714	.02472
	GRADIENT	-.00036	.00005	.00094	-.00382	.01523	.00270	.00286

RUN NO. 776/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.050	1.04788	151.21310	-.00293	-.00285	-.01357	-.00399	-.01076
3.995	-4.076	1.05023	134.42800	-.01088	-.00025	.05902	.00943	.00385
3.993	-.001	1.05064	90.16074	-.01433	-.01279	.12817	.02160	.01665
4.007	4.067	1.04954	45.18432	-.00928	-.04968	.18529	.03129	.02697
	GRADIENT	-.00008	-10.95939	.00020	-.00607	.01551	.00268	.00284

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (SC00H4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.061	1.09893	.03257	.00290	.00468	-.02434	-.00437	-.00831
.002	-4.042	1.10135	.03265	-.00247	.00614	.03151	.00596	.00397
.000	-.027	1.10030	.03269	-.00395	-.00035	.09488	.01758	.01609
.001	4.075	1.09954	.03268	-.01217	-.01961	.15189	.02752	.02572
	GRADIENT	-.00022	.00000	-.00120	-.00318	.01483	.00266	.00268

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (SC00H5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-1.049	1.25067	-.08606	.00000	.00000	.00000	.00000	.00000
.001	-1.049	1.25021	-.08606	.00000	.00000	.00000	.00000	.00000
.002	-8.086	1.24981	.03263	.01168	.00531	-.00767	-.00283	-.00741
.001	-5.169	1.25019	-.00685	.00890	-.00411	.03900	.00631	-.00003
.001	-4.022	1.25007	-.00688	.00866	-.00828	.05763	.00984	.00318
.001	-.021	1.24971	-.00689	.00841	-.02788	.11756	.02057	.01393
.001	3.964	1.24909	.03268	.00020	-.04410	.16386	.02832	.02345
	GRADIENT	-.00012	.00495	-.00106	-.00449	.01330	.00231	.00254

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.076	1.29992	.03265	.01910	.00022	-.00337	-.00206	-.00770
.001	-4.032	1.29989	-.00687	.01606	-.01827	.06020	.01013	.00221
-.000	-.020	1.30002	-.00689	.01283	-.03674	.11893	.02062	.01265
-.001	3.968	1.30008	-.00681	.00360	-.05022	.16420	.02804	.02222
	GRADIENT	.00002	.00001	-.00156	-.00399	.01300	.00224	.00250

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.088	1.35007	.03264	.02557	-.00369	-.00225	-.00188	-.00842
.001	-4.048	1.35003	-.00687	.02088	-.02558	.06068	.01005	.00111
-.000	-.034	1.35004	-.00689	.01340	-.04079	.11812	.02030	.01136
-.002	4.094	1.34950	-.00680	.00293	-.05816	.16592	.02824	.02134
	GRADIENT	-.00006	.00001	-.00221	-.00400	.01292	.00223	.00248

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (SCOOH8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.077	1.40016	.03266	.02810	-.01150	-.00032	-.00178	-.00872
.001	-4.857	1.39972	-.00686	.02123	-.03027	.04759	.00728	-.00217
-.001	-4.057	1.39962	.03266	.01873	-.03415	.06033	.00966	-.00029
-.001	-.030	1.40025	-.00689	.00895	-.04750	.11746	.01989	.00974
-.002	3.967	1.39915	-.00680	-.00136	-.06196	.16373	.02757	.01959
	GRADIENT	-.00004	-.00224	-.00253	-.00353	.01319	.00231	.00247

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (SCOOH9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.984	1.54882	-.00669	.02541	-.02266	.00419	-.00150	-.00882
-.000	-3.941	1.54973	.03271	.00589	-.04470	.05338	.00798	-.00259
.001	.066	1.54961	.03268	-.00701	-.05589	.11044	.01811	.00562
.002	4.191	1.54788	.03262	-.02007	-.06576	.15893	.02627	.01612
	GRADIENT	-.00023	-.00001	-.00319	-.00259	.01273	.00225	.00230

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SCOAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	.600	-.00164	.03265	.00918	.00430	.03229	.00792	.00320
-3.990	.600	.00033	-.00689	.00936	.00432	.03260	.00796	.00317
-4.008	.614	-.00157	.03265	.00932	.00430	.03264	.00791	.00315
-4.035	.645	-.00162	.03265	.00867	.00426	.03463	.00806	.00326
-4.068	.683	-.00152	.03265	.00795	.00451	.03589	.00805	.00322
-3.936	.725	-.00144	.03266	.00648	.00472	.03803	.00831	.00342
-3.968	.751	-.00048	-.00688	.00449	.00475	.03883	.00833	.00339
-3.995	.785	-.00130	.03266	.00181	.00525	.03875	.00825	.00327
-4.021	.806	-.00059	-.00688	-.00005	.00577	.03821	.00814	.00309
-4.028	.815	-.00132	.03266	-.00051	.00580	.03783	.00808	.00300
-4.038	.832	.00050	-.00688	-.00189	.00453	.03767	.00801	.00278
-4.062	.863	-.00135	.03266	-.00298	.00148	.03539	.00755	.00234
-4.014	.947	-.00142	.03266	.00222	.00928	.03010	.00628	.00264
-3.988	.916	-.00129	.03266	-.00085	.00385	.03428	.00705	.00251
-3.990	.919	-.00133	.03266	-.00031	.00438	.03458	.00703	.00255
-3.965	.902	.00042	-.00688	-.00120	.00217	.03597	.00728	.00250
-3.989	.933	-.00134	.03266	-.00013	.00530	.03422	.00683	.00262
-4.000	.947	-.00129	.03266	.00133	.00914	.03159	.00631	.00251
-4.005	.948	-.00134	.03266	.00212	.00994	.03130	.00622	.00248
-3.956	.899	.00044	-.00688	-.00183	.00202	.03716	.00729	.00254
-4.032	.970	-.00134	.03266	.00017	.00482	.02963	.00607	.00201
-4.042	.979	-.00138	.03266	-.00042	.00379	.02870	.00593	.00196
-4.050	.987	.00025	-.00689	-.00097	.00284	.02880	.00595	.00204
-4.080	1.002	.00027	-.00689	-.00308	.00264	.03084	.00625	.00243
-4.091	1.019	-.00162	.03265	-.00583	.00166	.03201	.00648	.00257
-4.078	1.011	-.00155	.03265	-.00484	.00174	.03207	.00647	.00252
-4.106	1.042	-.00184	.03264	-.00456	.00499	.02991	.00620	.00279
-3.963	1.067	-.00037	-.00692	-.00468	.00786	.03392	.00699	.00424
-3.995	1.088	-.00009	-.00691	-.00105	.00733	.02824	.00634	.00338
-3.902	.976	-.00126	.03266	-.00027	.00352	.03102	.00626	.00211
-3.977	1.076	-.00198	.03263	-.00306	.00766	.03280	.00690	.00409
-3.974	1.080	-.00199	.03263	-.00193	.00736	.03153	.00676	.00389
-3.984	1.097	-.00172	.03264	-.00105	.00762	.02681	.00607	.00321
-3.969	1.103	-.00177	.03264	-.00110	.00763	.02737	.00609	.00330
-3.902	1.147	-.00180	.03264	.00309	.00987	.03838	.00785	.00440
-4.024	1.151	-.00192	.03263	.00373	.01085	.03742	.00762	.00403
-4.017	1.154	-.00183	.03264	.00489	.01061	.03806	.00775	.00411
-4.000	1.154	-.00177	.03264	.00467	.01030	.03846	.00779	.00409
-4.044	1.112	-.00147	.03265	-.00136	.00853	.03077	.00633	.00351
-4.017	1.217	-.00182	.03264	.01668	.00262	.04111	.00915	.00327
-4.020	1.248	-.00198	.03263	.02042	-.00571	.04652	.00955	.00269
-4.020	1.255	-.00187	.03264	.02152	-.00652	.04711	.00958	.00261
-4.012	1.256	-.00175	.03264	.02234	-.00687	.04761	.00964	.00258

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (SCOAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.953	1.172	-.00188	.03264	.00563	.00840	.04233	.00842	.00387
-4.012	1.280	-.00171	.03264	.02563	-.01167	.04885	.00988	.00214
-4.016	1.300	-.00185	.03264	.02600	-.01633	.04981	.00997	.00186
-4.004	1.299	-.00171	.03264	.02627	-.01633	.05016	.00999	.00187
-3.995	1.299	.00010	-.00690	.02680	-.01646	.05002	.01000	.00183
-3.992	1.301	-.00154	.03265	.02767	-.01647	.05016	.00997	.00185
-3.993	1.310	-.00170	.03264	.02787	-.01765	.05041	.00995	.00181
GRADIENT		-.00144	.01639	.02456	-.01931	.01826	.00228	-.00057

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.986	1.305	.00016	-.00690	.02744	-.01714	.05051	.00998	.00173
-3.968	1.295	-.00158	.03265	.02730	-.01596	.05109	.01003	.00187
-3.978	1.295	.00006	-.00690	.02748	-.01588	.05087	.00998	.00184
-3.976	1.299	.00012	-.00690	.02723	-.01632	.05127	.01002	.00185
-3.988	1.300	-.00166	.03265	.02731	-.01639	.05111	.01000	.00183
-3.988	1.300	-.00168	.03264	.02744	-.01650	.05126	.00998	.00186
-3.998	1.299	.00015	-.00690	.02754	-.01642	.05135	.00998	.00189
-4.010	1.300	-.00169	.03264	.02731	-.01637	.05117	.00994	.00190
-4.012	1.299	-.00162	.03265	.02748	-.01636	.05130	.00995	.00193
-4.026	1.302	.00011	-.00690	.02751	-.01652	.05122	.00992	.00194
-4.020	1.300	-.00170	.03264	.02758	-.01629	.05127	.00992	.00200
-4.023	1.300	-.00162	.03265	.02741	-.01629	.05133	.00993	.00197
-4.024	1.300	-.00162	.03265	.02759	-.01620	.05131	.00993	.00198
-4.013	1.251	-.00167	.03264	.02077	-.00747	.04890	.00948	.00264
-4.026	1.299	-.00180	.03264	.02746	-.01617	.05128	.00990	.00197
-4.014	1.346	-.00005	-.00691	.03172	-.02236	.05230	.00996	.00114
-4.017	1.354	-.00181	.03264	.03096	-.02463	.05218	.00996	.00082
-4.011	1.349	-.00001	-.00690	.03141	-.02356	.05241	.00996	.00104
-4.011	1.344	.00007	-.00690	.03129	-.02249	.05221	.00992	.00120
-4.069	1.377	-.00015	-.00691	.03003	-.02899	.05177	.00976	.00024
-4.073	1.386	-.00018	-.00691	.02939	-.02996	.05139	.00962	-.00002
-4.082	1.393	-.00188	.03264	.02934	-.03049	.05111	.00950	-.00024
-4.086	1.402	-.00014	-.00691	.02830	-.03145	.05075	.00940	-.00049
-4.083	1.382	-.00023	-.00691	.02981	-.03070	.05169	.00953	-.00018
-3.913	1.210	-.00160	.03265	-.00464	.00767	.03721	.00665	.00409
-4.015	1.146	.00031	-.00689	.01864	.00673	.03098	.00606	.00408
-4.017	1.164	-.00176	.03264	.00506	.00728	.02568	.00509	.00316
-4.072	1.186	-.00151	.03265	-.00051	.00263	.02169	.00409	.00186
-4.107	1.422	-.00143	.03266	.02895	-.03411	.04695	.00890	-.00104
-3.945	1.495	-.00163	.03265	.01834	-.04052	.04832	.00828	-.00226
-3.944	1.523	-.00172	.03264	.01542	-.04139	.04341	.00800	-.00250
-3.921	1.514	-.00013	-.00691	.01663	-.04122	.04373	.00806	-.00237
-3.900	1.499	.00039	-.00689	.01823	-.04153	.04503	.00832	-.00219
-3.901	1.497	.00080	-.00687	.01954	-.04148	.04545	.00839	-.00220
-3.917	1.560	.00015	-.00690	.01285	-.04339	.04300	.00768	-.00298
-3.914	1.570	-.00152	.03265	.01154	-.04395	.04303	.00758	-.00312
-3.901	1.548	.00028	-.00689	.01258	-.04364	.04434	.00781	-.00292
-3.890	1.540	-.00130	.03266	.01358	-.04344	.04513	.00732	-.00281
-3.882	1.500	-.00089	.03268	.01897	-.04196	.04751	.00848	-.00227
-3.906	1.460	.00057	-.00688	.02441	-.03968	.05097	.00919	-.00143
GRADIENT		.00192	-.02951	-.00484	-.12892	.01229	.00032	-.01819

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 330

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SCOA11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.986	.599	.00031	-.00689	.00887	.00379	.03892	.00737	.00357
-3.973	.599	-.00159	.03265	.00852	.00376	.03925	.00743	.00360
-3.995	.625	-.00155	.03265	.00826	.00365	.03930	.00738	.00352
-3.983	.622	.00037	-.00689	.00842	.00376	.03930	.00746	.00349
-4.010	.638	.00038	-.00689	.00805	.00361	.03955	.00741	.00341
-4.036	.665	-.00162	.03265	.00782	.00352	.04085	.00751	.00350
-4.058	.687	.00042	-.00688	.00734	.00326	.04085	.00749	.00346
-4.024	.709	.00028	-.00689	.00635	.00306	.04095	.00750	.00319
-4.052	.730	-.00153	.03265	.00518	.00294	.04155	.00753	.00317
-4.060	.748	.00040	-.00689	.00389	.00278	.04167	.00753	.00310
-4.086	.766	-.00150	.03265	.00234	.00274	.04145	.00752	.00297
-4.106	.786	.00042	-.00688	-.00040	.00403	.04143	.00751	.00290
-4.014	.800	.00040	-.00689	-.00151	.00353	.04201	.00764	.00304
-4.017	.800	.00050	-.00688	-.00148	.00331	.04209	.00763	.00302
-4.008	.798	-.00141	.03266	-.00126	.00320	.04191	.00764	.00302
-4.022	.812	.00044	-.00688	-.00261	.00342	.04148	.00757	.00286
-4.020	.818	-.00144	.03266	-.00341	.00326	.04141	.00754	.00276
-4.040	.832	.00047	-.00688	-.00430	.00207	.04085	.00746	.00256
-4.058	.860	-.00148	.03265	-.00485	-.00068	.03843	.00699	.00222
-4.117	.906	.00035	-.00689	-.00253	-.00020	.03429	.00613	.00196
-3.975	.901	.00017	-.00690	-.00280	-.00029	.03648	.00647	.00231
-3.985	.901	.00035	-.00689	-.00295	.00009	.03701	.00648	.00226
-3.985	.900	-.00147	.03265	-.00342	.00040	.03705	.00645	.00226
-3.972	.892	.00023	-.00689	-.00378	.00006	.03792	.00658	.00223
-4.003	.921	.00025	-.00689	-.00233	.00191	.03586	.00614	.00234
-3.999	.921	.00032	-.00689	-.00320	.00194	.03627	.00615	.00237
-3.988	.909	.00021	-.00689	-.00320	.00111	.03758	.00634	.00232
-4.017	.940	.00027	-.00689	-.00198	.00296	.03410	.00564	.00235
-4.024	.940	.00027	-.00689	-.00115	.00319	.03402	.00559	.00236
-4.016	.940	.00023	-.00689	-.00135	.00315	.03456	.00562	.00239
-3.998	.928	-.00153	.03265	-.00209	.00241	.03653	.00597	.00242
-4.029	.950	.00029	-.00689	-.00083	.00682	.03227	.00508	.00230
-4.036	.950	.00023	-.00689	-.00243	.00595	.03231	.00507	.00223
-4.031	.950	-.00154	.03265	-.00170	.00583	.03262	.00510	.00229
-4.012	.942	.00021	-.00689	-.00298	.00358	.03463	.00546	.00241
-4.046	.958	-.00154	.03265	-.00084	.00791	.03085	.00478	.00218
-4.053	.959	.00025	-.00689	-.00076	.00742	.03063	.00479	.00209
-4.033	.952	.00012	-.00690	-.00179	.00640	.03231	.00503	.00222
-4.075	.974	.00028	-.00689	-.00041	.00395	.02930	.00473	.00181
-4.083	.979	.00017	-.00690	.00028	.00367	.02909	.00472	.00184
-4.085	.979	-.00153	.03265	-.00030	.00359	.02921	.00471	.00182
-4.053	.962	.00026	-.00689	-.00001	.00802	.03021	.00468	.00199
-4.087	.993	.00009	-.00690	-.00098	.00263	.02993	.00488	.00210

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.120	1.015	.00002	-.00690	-.00447	.00030	.03270	.00538	.00242
-3.981	1.018	-.00016	-.00691	-.00475	-.00018	.03453	.00575	.00283
-3.980	1.016	-.00000	-.00690	-.00415	-.00006	.03472	.00575	.00283
-3.981	1.019	-.00009	-.00691	-.00469	-.00032	.03491	.00578	.00283
-3.978	1.024	-.00014	-.00691	-.00543	-.00070	.03488	.00581	.00292
-3.992	1.029	-.00186	.03264	-.00626	-.00029	.03465	.00582	.00291
-4.007	1.049	-.00039	-.00692	-.00552	.00458	.03377	.00574	.00330
GRADIENT		.00060	-.02994	-.02874	-.00226	-.02402	-.00678	-.00294

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0BI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7982/ O RN/L = 2.66

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	1.048	-.00051	-.00692	-.00565	.00475	.03368	.00570	.00325
-4.000	1.042	-.00032	-.00692	-.00569	.00310	.03277	.00551	.00292
-4.012	1.040	-.00045	-.00692	-.00627	.00278	.03228	.00543	.00281
-3.999	1.064	-.00058	-.00693	-.00615	.00537	.03518	.00536	.00393
-3.987	1.063	-.00062	-.00693	-.00605	.00548	.03558	.00600	.00401
-4.000	1.059	-.00051	-.00692	-.00570	.00499	.03497	.00588	.00378
-4.003	1.041	-.00038	-.00692	-.00591	.00295	.03325	.00551	.00296
-4.014	1.078	-.00217	.03262	-.00469	.00581	.03351	.00586	.00390
-4.012	1.079	-.00053	-.00693	-.00433	.00575	.03308	.00582	.00387
-4.007	1.080	-.00219	.03262	-.00417	.00564	.03319	.00581	.00389
-4.006	1.080	-.00056	-.00693	-.00401	.00568	.03299	.00579	.00389
-4.004	1.080	-.00045	-.00692	-.00408	.00566	.03303	.00580	.00392
-4.007	1.080	-.00055	-.00693	-.00409	.00561	.03313	.00582	.00394
-4.008	1.080	-.00047	-.00692	-.00476	.00564	.03322	.00582	.00392
-4.009	1.080	-.00058	-.00693	-.00469	.00557	.03306	.00579	.00390
-4.001	1.080	-.00054	-.00693	-.00485	.00563	.03338	.00584	.00397
-4.000	1.075	-.00058	-.00693	-.00534	.00597	.03478	.00600	.00417
-3.943	1.011	-.00005	-.00690	-.00345	.00157	.03599	.00571	.00303
-3.939	1.069	-.00231	.03262	-.00655	.00612	.03696	.00621	.00433
-3.925	1.079	-.00219	.03262	-.00469	.00583	.03517	.00607	.00411
-3.930	1.100	-.00196	.03262	-.00506	.00552	.03028	.00531	.00332
-3.843	1.162	-.00051	-.00692	-.00104	.01002	.04375	.00763	.00446
-4.004	1.101	-.00181	.03264	-.00536	.00530	.03151	.00526	.00405
-3.996	1.100	-.00184	.03264	-.00564	.00527	.03145	.00527	.00400
-3.979	1.089	-.00011	-.00691	-.00614	.00575	.03154	.00541	.00374
-3.974	1.087	-.00184	.03264	-.00594	.00573	.03201	.00550	.00384
-3.957	1.080	-.00182	.03264	-.00616	.00587	.03470	.00585	.00439
-3.965	1.081	-.00010	-.00691	-.00665	.00591	.03317	.00562	.00413
-3.972	1.083	-.00024	-.00691	-.00685	.00596	.03243	.00554	.00398
-3.935	1.137	-.00010	-.00691	-.00252	.00823	.04100	.00689	.00508
-3.935	1.147	-.00179	.03264	-.00097	.00885	.04175	.00708	.00492
-3.934	1.150	-.00018	-.00691	-.00054	.00841	.04214	.00714	.00489
-3.930	1.150	-.00185	.03264	-.00043	.00843	.04206	.00714	.00489
-3.923	1.133	-.00174	.03264	-.00034	.00857	.04137	.00687	.00507
-3.920	1.027	-.00004	-.00690	-.00763	-.00010	.03857	.00602	.00384
-3.880	.986	.00028	-.00689	-.00105	.00344	.03489	.00524	.00315
-4.083	1.006	.00032	-.00689	-.00215	.00290	.03446	.00516	.00315
-4.065	1.092	-.00177	.03264	-.00690	.00558	.02874	.00482	.00329
-4.008	1.151	-.00185	.03264	-.00005	.00848	.04034	.00685	.00490
-4.016	1.185	-.00020	-.00691	.00849	.00400	.04458	.00781	.00467
-4.012	1.198	-.00022	-.00691	.01169	.00251	.04572	.00811	.00439
-4.051	1.246	-.00185	.03264	.02157	-.00689	.04780	.00861	.00365
-4.042	1.250	-.00014	-.00691	.02193	-.00751	.04839	.00866	.00367

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 333

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0C11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.038	1.251	-.00190	.03264	.02214	-.00759	.04866	.00868	.00367
-4.037	1.236	-.00013	-.00691	.02032	-.00595	.04826	.00863	.00373
-4.030	1.227	-.00185	.03264	.01833	-.00479	.04841	.00865	.00383
-4.029	1.228	-.00003	-.00690	.01841	-.00487	.04837	.00864	.00382
-4.045	1.253	-.00184	.03264	.02298	-.00774	.04859	.00867	.00351
-4.046	1.263	-.00006	-.00691	.02460	-.00888	.04925	.00877	.00329
-4.048	1.272	-.00174	.03264	.02687	-.01034	.04950	.00883	.00310
-4.046	1.280	-.00006	-.00690	.02769	-.01226	.05015	.00893	.00297
-4.043	1.294	-.00005	-.00691	.02914	-.01526	.05077	.00901	.00281
-4.054	1.307	-.00002	-.00690	.02971	-.01789	.05112	.00905	.00269
-4.046	1.311	-.00004	-.00691	.03011	-.01810	.05126	.00905	.00268
-4.061	1.321	-.00007	-.00691	.03144	-.01892	.05169	.00908	.00251
-4.043	1.327	-.00018	-.00691	.03200	-.01943	.05214	.00913	.00235
-4.038	1.326	-.00187	.03264	.03187	-.01950	.05229	.00913	.00239
-4.043	1.332	-.00014	-.00691	.03258	-.02036	.05281	.00916	.00225
-4.047	1.342	-.00021	-.00691	.03368	-.02175	.05280	.00920	.00194
-4.038	1.346	-.00196	.03263	.03378	-.02270	.05302	.00921	.00180
-4.042	1.362	-.00014	-.00691	.03216	-.02702	.05350	.00928	.00126
-4.043	1.354	-.00181	.03264	.03319	-.02521	.05352	.00926	.00154
-4.039	1.356	-.00013	-.00691	.03290	-.02576	.05365	.00926	.00145
-4.043	1.362	-.00020	-.00691	.03243	-.02699	.05370	.00925	.00120
-4.057	1.367	-.00013	-.00691	.03223	-.02762	.05340	.00917	.00101
-4.106	1.376	-.00023	-.00691	.03264	-.02908	.05319	.00912	.00079
-3.990	1.382	-.00185	.03264	.03227	-.03057	.05486	.00938	.00095
-3.986	1.390	-.00019	-.00691	.03179	-.03072	.05482	.00929	.00070
-3.988	1.407	-.00208	.03263	.03037	-.03164	.05399	.00908	.00027
-3.993	1.404	-.00033	-.00692	.03049	-.03198	.05407	.00910	.00025
-4.002	1.388	-.00045	-.00692	.03178	-.03118	.05495	.00920	.00035
-3.974	1.278	-.00228	.03262	.01361	-.02330	.05809	.00956	.00079
-3.955	1.360	-.00026	-.00691	.03156	-.03013	.05524	.00933	.00074
-4.018	1.381	-.00049	-.00692	.03244	-.03040	.05509	.00913	.00057
-4.028	1.378	-.00021	-.00691	.03275	-.03001	.05502	.00914	.00062
-4.036	1.383	-.00019	-.00691	.03273	-.03076	.05466	.00904	.00025
-4.041	1.393	-.00021	-.00691	.02996	-.03308	.05346	.00878	-.00047
-4.046	1.402	-.00186	.03264	.02932	-.03176	.05126	.00832	-.00041
-4.056	1.410	.00001	-.00690	.03461	-.03248	.05211	.00853	-.00032
-4.048	1.415	.00003	-.00690	.03324	-.03370	.05257	.00852	-.00045
-4.049	1.419	-.00160	.03265	.03189	-.03304	.05302	.00856	-.00043
-4.048	1.421	.00024	-.00688	.03157	-.03315	.05390	.00867	-.00035
-4.042	1.432	.00055	-.00688	.03111	-.03404	.05411	.00867	-.00050
-4.046	1.448	.00056	-.00688	.02866	-.03564	.05284	.00840	-.00111
-4.045	1.456	.00054	-.00688	.02828	-.03599	.05234	.00826	-.00121
-4.053	1.463	.00071	-.00687	.02502	-.03704	.05124	.00798	-.00167

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 334

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SCODI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.048	1.468	.00082	-.00687	.02520	-.03723	.05142	.00799	-.00168
-4.050	1.472	-.00085	.03268	.02451	-.03727	.05138	.00796	-.00171
-4.022	1.478	.00076	-.00687	.02439	-.03721	.05130	.00790	-.00164
-3.885	1.484	.00068	-.00687	.02318	-.03764	.05267	.00814	-.00141
-3.872	1.528	-.00167	.03265	.01693	-.03960	.05072	.00761	-.00179
-3.872	1.542	-.00004	-.00690	.01537	-.04050	.05076	.00751	-.00194
-3.863	1.550	-.00153	.03265	.01394	-.04091	.05073	.00747	-.00209
	GRADIENT	.00283	-.01471	-.00386	-.12152	.00754	-.00403	-.02118

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SCODI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7984/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.858	1.549	.00002	-.00690	.01399	-.04100	.05102	.00749	-.00204
-3.866	1.549	-.00157	.03265	.01382	-.04103	.05109	.00748	-.00203
-3.865	1.549	-.00002	-.00690	.01422	-.04101	.05098	.00747	-.00206
-3.870	1.549	.00003	-.00690	.01402	-.04097	.05114	.00746	-.00203
-3.868	1.549	-.00002	-.00690	.01399	-.04098	.05123	.00747	-.00201
-3.862	1.549	.00004	-.00690	.01390	-.04096	.05141	.00748	-.00199
-3.864	1.519	.00051	-.00688	.01932	-.04006	.05223	.00778	-.00158
-3.850	1.504	.00046	-.00688	.02106	-.03939	.05314	.00799	-.00137
-3.861	1.492	.00049	-.00688	.02193	-.03894	.05350	.00805	-.00130
-3.849	1.480	.00048	-.00688	.02313	-.03854	.05487	.00832	-.00105
-3.887	1.464	.00040	-.00689	.02599	-.03827	.05619	.00862	-.00076
	GRADIENT	-.01023	.09590	-.13999	-.03389	-.05337	-.01235	-.01430

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0001) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 324/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.134	-8.436	.59881	.02624	.01375	.01249	-.01311	.05222	-.22249	-.41038	-.38281
-4.203	-4.228	.60055	.02534	.01336	.01198	-.01258	.05074	-.21606	-.37466	-.37137
-4.282	-.140	.60085	.02424	.01274	.01149	-.01207	.04841	-.20613	-.36281	-.36299
-4.204	4.116	.60051	.02333	.01228	.01105	-.01160	.04664	-.19906	-.35245	-.34217
	GRADIENT	-.00001	-.00024	-.00013	-.00011	.00012	-.00049	.00203	.00266	.00351

RUN NO. 325/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.382	.59998	.02414	.01263	.01152	-.01209	.04796	-.20505	-.38748	-.35623
.000	-4.203	.60052	.02321	.01220	.01102	-.01157	.04633	-.19811	-.35913	-.32948
.000	-.023	.60103	.02215	.01160	.01055	-.01107	.04407	-.18896	-.34677	-.31659
.003	4.150	.60069	.02114	.01105	.01009	-.01059	.04197	-.17881	-.33809	-.30858
	GRADIENT	.00002	-.00025	-.00014	-.00011	.00012	-.00052	.00231	.00252	.00250

RUN NO. 326/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.132	-8.434	.60186	.02533	.01320	.01213	-.01274	.05013	-.21450	-.39233	-.29640
4.204	-4.210	.59762	.02594	.01355	.01239	-.01301	.05147	-.21944	-.37552	-.28520
4.288	-.043	.59998	.02414	.01263	.01152	-.01209	.04796	-.20471	-.35918	-.26705
4.202	4.118	.59949	.02318	.01209	.01109	-.01165	.04592	-.19686	-.34964	-.27847
	GRADIENT	.00022	-.00033	-.00018	-.00016	.00016	-.00067	.00271	.00311	.00081

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0002) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 331/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.137	-8.568	.79952	.02798	.01478	.01320	-.01387	.05614	-.23761	-.41154	-.35095
-4.211	-4.281	.80045	.02622	.01389	.01232	-.01295	.05277	-.22310	-.37056	-.34870
-4.285	-.053	.80038	.02478	.01309	.01169	-.01228	.04970	-.20984	-.35158	-.34917
-4.220	4.164	.79966	.02369	.01257	.01112	-.01168	.04773	-.20201	-.33868	-.35333
	GRADIENT	-.00009	-.00030	-.00016	-.00014	.00015	-.00060	.00250	.00377	-.00055

RUN NO. 332/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.482	.79989	.02613	.01375	.01238	-.01300	.05223	-.22212	-.38696	-.34389
.001	-4.208	.80047	.02482	.01312	.01171	-.01230	.04982	-.21145	-.35746	-.30500
-.000	-.008	.79998	.02347	.01235	.01112	-.01168	.04692	-.19906	-.33602	-.30142
.002	4.251	.79922	.02192	.01153	.01039	-.01091	.04378	-.18538	-.32357	-.30579
	GRADIENT	-.00015	-.00034	-.00019	-.00016	.00016	-.00071	.00308	.00400	-.00010

RUN NO. 333/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.132	-8.562	.79954	.02819	.01484	.01335	-.01402	.05638	-.23883	-.40854	-.29003
4.206	-4.276	.80027	.02635	.01389	.01246	-.01308	.05275	-.22327	-.36767	-.26294
4.285	-.054	.79991	.02501	.01321	.01180	-.01239	.05017	-.21208	-.35202	-.26187
4.217	4.154	.79981	.02389	.01255	.01133	-.01190	.04768	-.20200	-.33977	-.27276
	GRADIENT	-.00005	-.00029	-.00016	-.00013	.00014	-.00060	.00252	.00331	-.00116

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0003) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 343/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.136	-8.632	.89961	.02948	.01562	.01385	-.01455	.05934	-.25064	-.41377	-.32629
-4.213	-4.308	.89996	.02719	.01438	.01281	-.01346	.05461	-.23078	-.37711	-.33373
-4.286	-.011	.89993	.02587	.01368	.01220	-.01281	.05194	-.21890	-.35538	-.34181
-4.214	4.225	.89982	.02428	.01285	.01142	-.01200	.04882	-.20645	-.33014	-.35257
	GRADIENT	-.00002	-.00034	-.00018	-.00016	.00017	-.00068	.00285	.00550	-.00221

RUN NO. 344/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.008	-8.636	.89966	.02782	.01460	.01322	-.01388	.05546	-.23520	-.40035	-.32105
-.009	-4.865	.90029	.02624	.01381	.01244	-.01306	.05244	-.22217	-.36782	-.30507
-.008	-4.237	.90026	.02597	.01371	.01226	-.01288	.05209	-.22058	-.36248	-.29914
-.012	.017	.89987	.02392	.01262	.01130	-.01187	.04793	-.20300	-.33127	-.29847
-.010	4.294	.89957	.02268	.01193	.01075	-.01129	.04532	-.19219	-.31938	-.31144
	GRADIENT	-.00008	-.00040	-.00021	-.00019	.00020	-.00080	.00337	.00542	-.00083

RUN NO. 345/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.137	-8.628	.89994	.03035	.01615	.01420	-.01492	.06133	-.25931	-.40626	-.29063
4.207	-4.307	.90000	.02812	.01490	.01321	-.01388	.05660	-.23908	-.37144	-.26285
4.286	-.006	.90021	.02622	.01391	.01231	-.01294	.05282	-.22312	-.34858	-.25976
4.221	4.226	.89975	.02470	.01309	.01161	-.01220	.04972	-.21079	-.32663	-.28379
	GRADIENT	-.00003	-.00040	-.00021	-.00019	.00020	-.00081	.00332	.00525	-.00245

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF (TC0004) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0300	
XMRP	=	976.0000	IN. XT
YMRP	=	.0000	IN. YT
ZMRP	=	400.0000	IN. ZT
MACH	=	.950	I EABOX = .000
IB-ELV	=	10.000	O B-ELV = 9.000

PARAMETRIC DATA

ALPHA	RUN NO.	349/ 0	RN/L	= 2.50	GRADIENT	INTERVAL	= -5.00/	5.00	CPAD	CPAT	CPAS
	MACH	CNB	CNBO	CNBF	CLMB	CAB					
-8.651	.94924	.03154	.01676	.01478	-.01553	-.06366		-.26933	-.42309	-.34425	
-4.332	.95005	.02967	.01585	.01383	-.01453	.06019		-.25408	-.38961	-.35916	
.021	.95040	.02805	.01502	.01303	-.01369	.05705		-.24107	-.36736	-.37905	
4.242	.94976	.02673	.01424	.01249	-.01312	.05409		-.22905	-.34735	-.38675	
GRADIENT	.00003	-.00034	-.00019	-.00016	.00016	-.00071		.00292	-.00493	-.00322	

ALPHA	RUN NO.	350/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAO	CPAT	CPAS
		MACH	CNB	CNBO	CNBF	CLMB	CAB			
-8.657		.94998	.03050	.01620	.01430	-.01502	.06153	-.26093	-.40695	-.33612
-4.242		.95019	.02855	.01523	.01332	-.01400	.05784	-.24484	-.37547	-.32717
.033		.94962	.02689	.01433	.01256	-.01444	.05444	-.23056	-.35495	-.31370
4.280		.94950	.02536	.01349	.01187	-.01247	.05123	-.21736	-.33147	-.33087
GRADIENT		-.00008	-.00037	-.00020	-.00017	.00018	-.00078	.00322	.00516	-.00043

ALPHA	MACH	351/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAT	CPAS
-8.657	.94971	.03301	.01767	.01533	-.01611	.06712	-.28438	-.41632	-.30294
-4.333	.95029	.03099	.01658	.01441	-.01514	.06297	-.26550	-.38388	-.28545
.035	.95044	.02905	.01552	.01354	-.01423	.05893	-.24851	-.27735	-.27735
4.230	.94942	.02707	.01443	.01264	-.01329	.05479	-.23201	-.34560	-.30062
GRADIENT	-.00010	-.00046	-.00025	-.00021	-.00022	-.00096	.00391	.00505	-.00175

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(TC0005) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 355/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.145	-8.648	1.0499	.03570	.01906	.01664	-.01749	.07240	-.30508	-.44785	-.44000
-4.211	-4.367	1.05078	.03414	.01838	.01576	-.01657	.06982	-.29449	-.41203	-.46419
-4.295	-.016	1.05032	.03310	.01803	.01507	-.01585	.06849	-.28914	-.39085	-.46120
-4.217	4.313	1.04987	.03178	.01731	.01447	-.01522	.06575	-.27745	-.37261	-.47080
	GRADIENT	-.00010	-.00027	-.00012	-.00015	.00016	-.00047	.00196	.00454	-.00076

RUN NO. 356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.728	1.04902	.03431	.01834	.01597	-.01678	.06966	-.29453	-.43075	-.43827
-.000	-4.237	1.05178	.03286	.01764	.01522	-.01600	.06701	-.28362	-.40430	-.42003
-.001	.069	1.05131	.03112	.01673	.01439	-.01513	.06354	-.26808	-.39572	-.41741
-.002	4.324	1.04910	.03000	.01607	.01392	-.01463	.06105	-.25852	-.36896	-.42816
	GRADIENT	-.00031	-.00033	-.00018	-.00015	.00016	-.00070	.00293	.00412	-.00095

RUN NO. 360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.144	-8.611	1.05004	.03745	.02028	.01716	-.01804	.07705	-.32604	-.44265	-.38700
4.210	-4.353	1.05024	.03505	.01894	.01610	-.01693	.07195	-.30302	-.41686	-.36867
4.299	-.008	1.05049	.03329	.01791	.01538	-.01617	.06803	-.28606	-.39723	-.35091
4.217	4.305	1.04960	.03160	.01701	.01460	-.01534	.06460	-.27180	-.38129	-.35940
	GRADIENT	-.00007	-.00040	-.00022	-.00017	.00018	-.00085	.00361	.00411	.00107

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0006) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.146	-8.643	1.09811	.04227	.02264	.01963	-.02063	.08601	-.36208	-.48924	-.55396
-4.215	-4.361	1.10059	.03956	.02132	.01824	-.01918	.08099	-.34062	-.44088	-.53573
-4.297	-.010	1.10015	.03774	.02045	.01729	-.01818	.07768	-.32665	-.42012	-.53105
-4.219	4.327	1.09973	.03523	.01920	.01603	-.01686	.07294	-.30639	-.39377	-.52272
	GRADIENT	-.00010	-.00050	-.00024	-.00025	.00027	-.00093	.00394	.00542	.00150

RUN NO. 365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.731	1.09923	.04000	.02150	.01850	-.01945	.08165	-.34375	-.46631	-.51049
.001	-5.127	1.10084	.03846	.02068	.01778	-.01869	.07854	-.33070	-.43941	-.47836
-.001	-4.239	1.10017	.03823	.02057	.01766	-.01856	.07813	-.32911	-.43712	-.47486
.000	.078	1.09990	.03682	.01984	.01698	-.01785	.07536	-.31779	-.42597	-.47626
-.001	4.339	1.09938	.03533	.01919	.01614	-.01698	.07287	-.30712	-.39582	-.48750
	GRADIENT	-.00009	-.00034	-.00016	-.00018	.00019	-.00061	.00256	.00481	-.00147

RUN NO. 366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.145	-8.635	1.09734	.04322	.02337	.01985	-.02087	.08875	-.37389	-.48236	-.46302
4.212	-4.368	1.10096	.03974	.02140	.01834	-.01928	.08130	-.34196	-.44610	-.43115
4.296	-.008	1.10063	.03762	.02017	.01744	-.01833	.07662	-.32165	-.42241	-.41075
4.218	4.320	1.10001	.03562	.01909	.01653	-.01737	.07252	-.30413	-.40184	-.42208
	GRADIENT	-.00011	-.00047	-.00027	-.00021	.00022	-.00101	.00435	.00510	.00105

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(TC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 370/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.147	-8.717	1.14834	.03564	.01907	.01658	-.01742	.07242	-.30517	-.42775	-.48585
-4.216	-4.375	1.15065	.03391	.01822	.01569	-.01649	.06921	-.29131	-.39047	-.46507
-4.297	-.003	1.15076	.03296	.01781	.01515	-.01593	.06764	-.28437	-.37671	-.46923
-4.217	4.335	1.14987	.03146	.01706	.01439	-.01514	.06481	-.27217	-.35595	-.46195
	GRADIENT	-.00009	-.00028	-.00013	-.00015	.00016	-.00050	.00220	.00396	.00036

RUN NO. 371/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.765	1.14906	.03371	.01803	.01569	-.01649	.06847	-.28855	-.40885	-.45102
.000	-4.385	1.15124	.03212	.01722	.01489	-.01565	.06542	-.27584	-.38356	-.41798
.000	.097	1.15091	.03141	.01694	.01448	-.01522	.06433	-.27139	-.37708	-.41824
.002	4.325	1.14973	.03094	.01682	.01411	-.01484	.06390	-.26900	-.35278	-.43212
	GRADIENT	-.00017	-.00014	-.00005	-.00009	.00009	-.00017	.00079	.00351	-.00161

RUN NO. 372/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.146	-8.713	1.14830	.03643	.01962	.01681	-.01767	.07454	-.31416	-.42238	-.39809
4.209	-4.378	1.14987	.03446	.01854	.01592	-.01673	.07043	-.29631	-.39499	-.37545
4.295	-.002	1.15067	.03339	.01793	.01546	-.01625	.06812	-.28607	-.37926	-.35341
4.216	4.326	1.14956	.03189	.01710	.01479	-.01554	.06496	-.27267	-.36634	-.37092
	GRADIENT	-.00003	-.00029	-.00017	-.00013	.00014	-.00063	.00272	.00329	.00053

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(TC0008) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
				MACH	=	1.250		IEABOX = .000
				IB-ELV	=	10.000		OB-ELV = 9.000

PARAMETRIC DATA

RUN NO.	376/ 0	RN/L = 2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
	-4.144	-8.820	1.24942	.03118	.01658	.01459	-.01533	.06299	-.26591	-38760	-45902
	-4.216	-4.383	1.25061	.03058	.01641	.01417	-.01489	.06233	-.26227	-36056	-42480
	-4.297	-.009	1.25019	.02964	.01594	.01370	-.01440	.06056	-.25458	-34164	-40404
	-4.218	1.24965	1.24965	.02897	.01559	.01338	-.01406	.05921	-.24873	-32804	-42669
GRADIENT			-.00011	-.00018	-.00009	-.00009	-.00009	-.00036	-.00155	-.00372	-.00022

RUN NO.	377 / 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.801	1.24937	.03001	.01598	.01403	-.01474	.06072	-.25605	-.37107	-.42505
.000	-4.245	1.25003	.02957	.01585	.01372	-.01442	.06022	-.25385	-.34917	-.39394
-.001	.067	1.24985	.02878	.01549	.01329	-.01397	.05884	-.24816	-.34158	-.39494
.001	4.349	1.24987	.02844	.01379	.01305	-.01379	.05846	-.24610	-.32014	-.40702
	GRADIENT	.00002	-.00013	-.00005	-.00008	-.00008	-.00020	.00091	-.00338	-.00152

RUN NO.	378/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00
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	BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
	-8.144	-8.803	1.24928	.03365	.01797	.01568	-.01647	.06827	-.28801	-.38914	-.37153
	4.144	-4.144	1.24980	.03257	.06614	.01516	-.01593	.06614	-.35525	-.35525	
	4.212	-4.396	1.24990	.02917	.01561	.01356	.01425	.05929	.24930	-.34101	-.34101
	4.295	-4.295	1.25029	-.0001	.01555	.01355	-.01424	.05940	-.24866	-.33598	-.36078
	4.219	4.335	1.24948	.02909	.01555	.01355	-.00019	.05908	-.00350	-.00377	-.00062
		GRADIENT	-.00005	-.00040	-.00021	-.00018	-.00019	-.00081	-.00350	-.00377	-.00062

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0009) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 TB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.913	-7.715	1.24903	.03036	.01617	.01419	-.01491	.06143	-.25909	-.38060	-.43266
-3.881	-3.931	1.25006	.02989	.01603	.01386	-.01457	.06088	-.25625	-.35735	-.40724
-3.820	-.020	1.24974	.02890	.01557	.01333	-.01401	.05914	-.24895	-.33899	-.42791
-3.869	3.842	1.24934	.02808	.01511	.01296	-.01363	.05740	-.24135	-.32956	-.40882
	GRADIENT	-.00009	-.00023	-.00012	-.00012	.00012	-.00045	.00192	.00358	-.00021

RUN NO. 504/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.821	1.24909	.02947	.01575	.01373	-.01442	.05981	-.25227	-.36750	-.40292
.001	-4.978	1.24861	.02920	.01568	.01352	-.01421	.05955	-.25108	-.35230	-.38280
-.001	-3.951	1.24879	.02894	.01554	.01340	-.01408	.05902	-.24882	-.34742	-.38007
-.000	-.068	1.25080	.02826	.01527	.01299	-.01366	.05801	-.24476	-.34056	-.38127
.001	3.834	1.25052	.02822	.01524	.01298	-.01365	.05789	-.24424	-.32581	-.38590
	GRADIENT	.00025	-.00011	-.00005	-.00006	.00007	-.00019	.00076	.00283	-.00044

RUN NO. 505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.901	-7.721	1.24976	.03255	.01739	.01516	-.01594	.06604	-.27893	-.37848	-.36464
3.883	-3.937	1.24963	.03186	.01707	.01479	-.01554	.06482	-.27360	-.36440	-.35026
3.818	-.025	1.25046	.02824	.01513	.01311	-.01378	.05747	-.24171	-.34538	-.33732
3.870	3.837	1.24995	.02842	.01524	.01319	-.01386	.05788	-.24373	-.33359	-.35421
	GRADIENT	.00004	-.00044	-.00024	-.00021	.00022	-.00090	.00385	.00397	-.00050

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0010) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.913	-7.703	1.29975	.03030	.01614	.01416	-.01488	.06131	-.25899	-.37782	-.41563
-3.882	-3.926	1.29986	.02917	.01565	.01352	-.01421	.05946	-.25046	-.34883	-.39110
-3.821	-.017	1.30022	.02876	.01550	.01326	-.01394	.05886	-.24752	-.33191	-.41003
-3.864	3.844	1.29970	.02757	.01487	.01270	-.01335	.05650	-.23777	-.32082	-.40276
	GRADIENT	-.00002	-.00021	-.00010	-.00011	.00011	-.00038	.00163	.00361	-.00151

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.777	1.29996	.02918	.01567	.01351	-.01420	.05952	-.25111	-.35962	-.39798
-.001	-3.958	1.30001	.02867	.01545	.01322	-.01390	.05868	-.24727	-.33750	-.37540
-.000	-.054	1.29984	.02796	.01512	.01284	-.01350	.05743	-.24219	-.32948	-.37791
.001	3.823	1.29994	.02791	.01509	.01282	-.01348	.05732	-.24175	-.31676	-.38148
	GRADIENT	-.00001	-.00010	-.00005	-.00005	.00005	-.00018	.00071	.00266	-.00078

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.901	-7.723	1.30122	.03265	.01748	.01516	-.01594	.06641	-.28059	-.37763	-.35482
3.879	-3.924	1.30046	.03156	.01697	.01459	-.01534	.06445	-.27223	-.35560	-.34007
3.825	-.025	1.30031	.02950	.01589	.01362	-.01431	.06034	-.25489	-.34054	-.32590
3.868	3.832	1.29895	.02817	.01510	.01306	-.01373	.05736	-.24225	-.32965	-.35121
	GRADIENT	-.00020	-.00044	-.00024	-.00020	.00021	-.00091	.00387	.00335	-.00143

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TCDO011) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 511/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		PARAMETRIC DATA				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.916	-7.720	1.34919	.03126	.01660	.01466	-.01540	.06306	-.26711	-.37484	-.41191
-3.883	-3.931	1.34999	.02933	.01564	.01369	-.01439	.05940	-.25100	-.34680	-.38582
-3.824	-.013	1.34978	.02828	.01516	.01312	-.01379	.05757	-.24234	-.32565	-.39742
-3.867	3.834	1.34966	.02738	.01468	.01270	-.01335	.05576	-.23487	-.31279	-.39235
	GRADIENT	-.00004	-.00025	-.00012	-.00013	.00013	-.00047	.00208	.00438	-.00085

RUN NO. 512/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		PARAMETRIC DATA				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.817	1.34959	.02905	.01551	.01354	-.01422	.05891	-.24845	-.35768	-.38199
-.001	-3.960	1.35002	.02842	.01525	.01318	-.01385	.05791	-.24406	-.33114	-.36150
-.000	-.058	1.35006	.02732	.01470	.01262	-.01327	.05584	-.23550	-.31843	-.36220
.001	3.828	1.34967	.02751	.01485	.01266	-.01331	.05641	-.23761	-.30491	-.37034
	GRADIENT	-.00005	-.00012	-.00005	-.00007	.00007	-.00019	.00083	.00337	-.00113

RUN NO. 513/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		PARAMETRIC DATA				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.904	-7.709	1.35014	.03230	.01732	.01498	-.01575	.06578	-.27809	-.36891	-.34901
3.887	-3.935	1.34908	.03155	.01696	.01459	-.01533	.06443	-.27213	-.34657	-.33622
3.818	-.024	1.34934	.03042	.01640	.01402	-.01474	.06228	-.26334	-.33107	-.31987
3.872	3.842	1.35015	.02877	.01546	.01331	-.01399	.05872	-.24874	-.32106	-.34437
	GRADIENT	.00014	-.00036	-.00019	-.00016	.00017	-.00073	.00301	.00328	-.00104

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0012) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00				RUN NO. 515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00				RUN NO. 516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00																					
BETA	ALPHA	MACH	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	BETA	ALPHA	MACH	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	BETA	ALPHA	MACH	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.909	-7.716	1.40024	.03086	.01446	-.01519	.06231	-.26436	-.36448	-.40576	-3.906	-7.707	1.39963	.03188	.01477	-.01552	.06500	-.27482	-.35949	-.34043	-3.880	-3.936	1.39988	.03127	.01444	-.01518	.06393	-.27037	-.33981	-.32606
-3.886	-3.925	1.39863	.02939	.01370	-.01439	.05962	-.25236	-.34279	-.38030	3.821	-.023	1.40029	.03041	.01400	-.01472	.06231	-.26361	-.32580	-.31236	-3.822	-.012	1.40075	.02786	.01494	-.01358	.05676	-.23911	-.31771	-.38704
-3.870	3.843	1.39988	.02732	.01269	-.01333	.05556	-.23428	-.30602	-.38662	3.869	3.834	1.39983	.02919	.01346	-.01415	.05972	-.25318	-.31502	-.33416	-3.870	3.826	1.39975	.02730	.01472	-.01323	.05592	-.23552	-.31315	-.35224
	GRADIENT	.00016	-.00027	-.00013	.00014	-.00052	.00233	.00474	-.00082		GRADIENT	.00004	-.00015	-.00008	.00008	-.00027	.00115	.00401	-.00153		GRADIENT	.00001	-.00027	-.00014	-.00013	-.00054	.00221	.00319	-.00103

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0013) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 557/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.913	-7.703	1.39946	.03103	.01649	.01454	-.01528	.06265	-.26580	-.36376	-.40983
-3.882	-3.908	1.40035	.02891	.01539	.01352	-.01420	.05847	-.24756	-.34003	-.38196
-3.817	-.007	1.40030	.02746	.01473	.01274	-.01339	.05594	-.23566	-.31855	-.38967
-3.869	3.851	1.39984	.02691	.01443	.01249	-.01312	.05479	-.23103	-.30692	-.38536
	GRADIENT	-.00007	-.00026	-.00012	-.00013	.00014	-.00047	.00213	.00427	-.00044

RUN NO. 558/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.753	1.39969	.02872	.01536	.01337	-.01405	.05833	-.24545	-.35203	-.37146
-.001	-3.911	1.40009	.02800	.01504	.01296	-.01362	.05712	-.24064	-.32556	-.35039
-.000	-.043	1.39974	.02741	.01477	.01264	-.01329	.05611	-.23637	-.31324	-.35794
.001	3.865	1.39953	.02695	.01456	.01239	-.01303	.05531	-.23299	-.29733	-.36113
	GRADIENT	-.00007	-.00013	-.00006	-.00007	.00008	-.00023	.00098	.00363	-.00138

RUN NO. 559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.900	-7.714	1.39914	.03059	.01644	.01415	-.01488	.06244	-.26455	-.36947	-.34339
3.876	-3.901	1.39954	.02978	.01605	.01373	-.01444	.06096	-.25817	-.34924	-.33264
3.821	-.014	1.40018	.02922	.01578	.01344	-.01413	.05993	-.25390	-.33579	-.32208
3.869	3.840	1.40017	.02856	.01540	.01316	-.01383	.05851	-.24793	-.31500	-.33577
	GRADIENT	.00008	-.00016	-.00008	-.00007	.00008	-.00032	.00132	.00442	-.00040

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) QT(DOOR OFF)+RSRM,PLU. OFF (TC0014) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

PARAMETRIC DATA

RUN NO. 561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.961	-7.775	1.54947	.02959	.01586	.01373	-.01443	.05023	-.25603	-.33173	-.37765
-3.947	-3.960	1.54962	.02906	.01555	.01351	-.01419	.05907	-.25080	-.32016	-.35837
-3.921	.003	1.54965	.02750	.01474	.01275	-.01341	.05599	-.23691	-.29785	-.36601
-3.943	3.931	1.54905	.02627	.01406	.01221	-.01284	.05340	-.22555	-.27800	-.37409
	GRADIENT	-.00007	-.00035	-.00019	-.00016	.00017	-.00072	.00320	.00534	-.00199

RUN NO. 562/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.660	1.54886	.02775	.01487	.01288	-.01354	.05647	-.23728	-.33491	-.34893
.000	-3.811	1.54793	.02750	.01481	.01269	-.01334	.05624	-.23670	-.31792	-.33381
.000	.031	1.54912	.02772	.01495	.01278	-.01343	.05677	-.23916	-.29328	-.33600
.002	3.925	1.54810	.02634	.01420	.01214	-.01276	.05395	-.22786	-.27579	-.34245
	GRADIENT	.00002	-.00015	-.00008	-.00007	.00008	-.00030	.00115	.00544	-.00112

RUN NO. 563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.953	-7.796	1.54881	.02921	.01572	.01349	-.01418	.05972	-.25236	-.34012	-.31571
3.942	-3.967	1.54945	.02944	.01588	.01356	-.01426	.06030	-.25537	-.32593	-.31334
3.917	.004	1.54938	.02988	.01616	.01372	-.01443	.06137	-.25956	-.31118	-.30201
3.942	3.914	1.54890	.02835	.01530	.01305	-.01372	.05811	-.24655	-.29048	-.32095
	GRADIENT	-.00007	-.00014	-.00007	-.00007	.00007	-.00028	.00111	.00450	-.00096

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0015) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.007	-8.085	.59904	.01917	.01123	.00794	-.00838	.04267	-.18382	-.24748	-.20214
-3.996	-4.010	.60031	.01612	.00959	.00653	-.00690	.03643	-.15668	-.22185	-.19027
-3.995	.005	.60000	.01354	.00817	.00538	-.00568	.03103	-.13364	-.21611	-.18085
-3.992	3.979	.59905	.01075	.00666	.00409	-.00434	.02529	-.10975	-.20570	-.15769
	GRADIENT	-.00016	-.00067	-.00037	-.00031	.00032	-.00139	.00588	.00202	.00407

RUN NO. 620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-7.912	.59937	.01473	.00882	.00591	-.00625	.03351	-.14489	-.24295	-.21698
.001	-3.935	.59953	.01231	.00744	.00487	-.00515	.02824	-.12278	-.22327	-.17560
.000	.075	.60063	.00987	.00604	.00383	-.00405	.02295	-.10019	-.20717	-.15549
.002	4.052	.60012	.00871	.00547	.00323	-.00343	.02079	-.08891	-.19723	-.14361
	GRADIENT	.00007	-.00045	-.00025	-.00021	.00022	-.00093	.00424	.00326	.00401

RUN NO. 621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.088	.59974	.01790	.01051	.00739	-.00780	.03991	-.17373	-.25244	-.15989
3.994	-4.003	.60071	.01509	.00902	.00607	-.00641	.03427	-.14870	-.22666	-.13876
3.989	-.046	.60050	.01271	.00767	.00505	-.00534	.02912	-.12500	-.21502	-.12879
3.995	4.001	.59978	.01015	.00603	.00412	-.00436	.02289	-.09957	-.20408	-.13288
	GRADIENT	-.00012	-.00062	-.00037	-.00024	.00026	-.00142	.00614	.00282	.00073

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0016) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.106	.79833	.01961	.01134	.00827	-.00872	.04306	-.18399	-.23881	-.18492
-3.996	-4.028	.80027	.01568	.00923	.00645	-.00681	.03507	-.14888	-.21285	-.16037
-3.981	-.041	.80005	.01269	.00760	.00509	-.00538	.02887	-.12200	-.19688	-.14422
-4.003	3.956	.80040	.01004	.00611	.00393	-.00416	.02322	-.09840	-.18201	-.13814
	GRADIENT	.00002	-.00071	-.00039	-.00031	.00033	-.00148	.00632	.00386	.00278

RUN NO. 624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.039	.79986	.01485	.00884	.00601	-.00635	.03358	-.14450	-.23498	-.17686
-.001	-3.920	.80022	.01237	.00733	.00504	-.00533	.02783	-.12078	-.21180	-.13957
-.000	-.015	.79970	.01031	.00617	.00414	-.00438	.02342	-.10189	-.19242	-.12094
-.001	4.103	.79986	.00812	.00494	.00318	-.00336	.01877	-.08091	-.17810	-.11766
	GRADIENT	-.00004	-.00053	-.00030	-.00023	.00024	-.00113	.00497	.00419	.00271

RUN NO. 625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-7.982	.80000	.01800	.01061	.00739	-.00780	.04031	-.17290	-.24018	-.12172
3.997	-4.045	.80066	.01491	.00889	.00603	-.00637	.03376	-.14350	-.21526	-.11111
3.986	-.044	.79985	.01272	.00755	.00517	-.00546	.02868	-.12074	-.20115	-.10495
4.008	3.934	.79954	.01023	.00610	.00413	-.00437	.02317	-.09864	-.18668	-.10988
	GRADIENT	-.00014	-.00059	-.00035	-.00024	.00025	-.00133	.00562	.00358	.00015

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 351

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0017) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-7.982	.89983	.01895	.01092	.00803	-.00847	.04149	-.17547	-.23397	-.16425
-3.998	-4.056	.90030	.01479	.00869	.00609	-.00643	.03302	-.13937	-.20943	-.13980
-3.987	.020	.90002	.01205	.00708	.00497	-.00525	.02690	-.11397	-.19205	-.12408
-3.998	3.995	.89986	.00957	.00570	.00387	-.00409	.02165	-.09167	-.16908	-.11824
	GRADIENT	-.00005	-.00065	-.00037	-.00028	.00029	-.00141	.00593	.00501	.00268

RUN NO. 627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-8.028	.89980	.01456	.00849	.00607	-.00641	.03224	-.13822	-.23336	-.15408
.001	-4.401	.90058	.01213	.00707	.00506	-.00534	.02686	-.11567	-.20812	-.12509
-.001	-3.941	.90024	.01177	.00686	.00492	-.00519	.02604	-.11217	-.20514	-.11947
.000	.100	.89994	.00976	.00558	.00418	-.00440	.02120	-.09238	-.18054	-.10170
.002	4.082	.89946	.00790	.00456	.00335	-.00353	.01731	-.07658	-.16920	-.10248
	GRADIENT	-.00012	-.00049	-.00030	-.00020	.00021	-.00112	.00458	.00470	.00267

RUN NO. 628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-7.983	.89940	.01804	.01049	.00755	-.00797	.03985	-.16878	-.23973	-.11170
3.992	-4.041	.90000	.01459	.00858	.00601	-.00634	.03261	-.13769	-.21197	-.09554
3.981	.010	.90038	.01201	.00709	.00492	-.00520	.02694	-.11456	-.19195	-.08912
3.995	4.001	.89987	.00992	.00589	.00403	-.00426	.02236	-.09503	-.16778	-.10409
	GRADIENT	-.00002	-.00058	-.00034	-.00025	.00026	-.00127	.00531	.00549	.00106

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(TC0018) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 50. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 630/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
-3.999	-7.976	.94734	.01818	.01041	.00778	-.00820	.03953	-.16630	-.22565	-.14817	
-3.999	-4.030	.95073	.01414	.00815	.00599	-.00632	.03096	-.12951	-.19959	-.12161	
-3.997	.005	.95104	.01140	.00649	.00491	-.00518	.02464	-.10289	-.18663	-.10365	
-3.996	3.991	.94973	.00880	.00498	.00382	-.00402	.01891	-.07930	-.16727	-.10135	
	GRADIENT	-.00012	-.00067	-.00040	-.00027	.00029	-.00150	.00626	.00403	.00253	
RUN NO. 631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00											
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
.002	-8.040	.94910	.01513	.00852	.00660	-.00696	.03237	-.13927	-.22242	-.13779	
-.001	-4.029	.95110	.01161	.00661	.00500	-.00527	.02510	-.10784	-.19432	-.11039	
-.000	.090	.95065	.00891	.00494	.00396	-.00417	.01877	-.08071	-.17722	-.07951	
-.001	3.974	.94955	.00669	.00363	.00306	-.00321	.01379	-.06103	-.15483	-.08220	
	GRADIENT	-.00019	-.00062	-.00037	-.00024	.00026	-.00141	.00586	.00493	.00356	
RUN NO. 632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00											
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
3.995	-7.984	.94934	.01717	.00988	.00729	-.00768	.03754	-.15793	-.22851	-.09886	
3.997	-4.028	.95039	.01407	.00811	.00596	-.00628	.03080	-.12825	-.20405	-.08358	
3.985	.059	.95206	.01176	.00674	.00502	-.00529	.02561	-.10663	-.18258	-.07534	
3.998	4.002	.94916	.00907	.00505	.00402	-.00423	.01918	-.08100	-.16223	-.08099	
	GRADIENT	-.00015	-.00062	-.00038	-.00024	.00026	-.00145	.00588	.00521	.00033	

IA613A(AEDC 16TF-829) B/L QT + RSRM+PLUMES S1,2 (TC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 633/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-7.971	1.04929	.02128	.01193	.00935	-.00984	.04532	-.18793	-.23161	-.13440
-4.002	-4.073	1.05081	.01757	.00988	.00769	-.00810	.03753	-.15576	-.21339	-.12443
-3.996	.012	1.05059	.01563	.00875	.00688	-.00725	.03322	-.13756	-.20339	-.10952
-3.995	4.001	1.04977	.01388	.00774	.00615	-.00647	.02938	-.12008	-.19116	-.09336
	GRADIENT	-.00013	-.00046	-.00027	-.00019	.00020	-.00101	.00442	.00275	.00385
RUN NO. 634/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-8.060	1.04943	.01727	.00957	.00771	-.00811	.03635	-.15358	-.23737	-.13812
-0.000	-4.050	1.04976	.01595	.00873	.00723	-.00760	.03315	-.13899	-.21959	-.11018
-0.001	-.021	1.04993	.01517	.00831	.00686	-.00722	.03155	-.13048	-.21205	-.08142
.001	3.974	1.04975	.01214	.00658	.00556	-.00585	.02500	-.10341	-.18898	-.08339
	GRADIENT	-.00000	-.00047	-.00027	-.00021	.00022	-.00101	.00443	.00381	.00334
RUN NO. 635/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.099	1.04918	.02060	.01132	.00928	-.00977	.04298	-.17832	-.23042	-.10475
3.994	-4.091	1.05010	.01786	.00979	.00808	-.00850	.03718	-.15335	-.20925	-.07894
3.994	.015	1.05043	.01614	.00880	.00734	-.00772	.03341	-.13755	-.19884	-.06307
4.005	4.042	1.04952	.01387	.00768	.00619	-.00651	.02917	-.11932	-.18486	-.05975
	GRADIENT	-.00007	-.00049	-.00026	-.00023	.00024	-.00098	.00418	.00300	.00236

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0020) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 637/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB
-3.997	-8.091	1.09559	.02514	.01389	.01125	-.01184	.05275
-4.003	-4.070	1.10228	.02047	.01130	.00917	-.00965	.04291
-3.998	.005	1.10044	.01929	.01062	.00867	-.00912	.04034
-3.995	3.992	1.10005	.01779	.00970	.00809	-.00851	.03686
	GRADIENT	-.00028	-.00033	-.00020	-.00013	.00014	-.00075
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DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.077	1.14743	.01861	.01039	.00822	-.00865	.03946	-.16367	-.22310	-.13490
-4.002	-4.057	1.15075	.01581	.00877	.00704	-.00741	.03330	-.13808	-.20240	-.12039
-3.997	.006	1.15067	.01461	.00808	.00654	-.00688	.03067	-.12709	-.19923	-.09885
-3.996	3.995	1.14965	.01344	.00740	.00604	-.00636	.02810	-.11577	-.19630	-.07396
	GRADIENT	-.00014	-.00029	-.00017	-.00012	.00013	-.00065	.00277	.00076	.00576

RUN NO. 641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.052	1.14870	.01560	.00855	.00704	-.00741	.03249	-.13685	-.21691	-.13628
-4.000	-4.044	1.15147	.01401	.00758	.00643	-.00676	.02878	-.12067	-.20197	-.09431
-4.001	-.013	1.15052	.01380	.00743	.00637	-.00670	.02821	-.11657	-.20413	-.07534
-4.001	3.967	1.14962	.01261	.00671	.00590	-.00620	.02549	-.10569	-.19163	-.07605
	GRADIENT	-.00023	-.00017	-.00011	-.00007	.00007	-.00041	.00187	.00129	.00228

RUN NO. 642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.076	1.14787	.01918	.01037	.00881	-.00927	.03938	-.16316	-.21554	-.08422
3.999	-4.007	1.15078	.01683	.00909	.00774	-.00814	.03451	-.14234	-.19887	-.05424
3.990	-.006	1.15041	.01561	.00838	.00723	-.00760	.03182	-.13123	-.19579	-.04708
4.009	4.056	1.15001	.01390	.00746	.00644	-.00677	.02834	-.11619	-.19178	-.05269
	GRADIENT	-.00010	-.00036	-.00020	-.00016	.00017	-.00077	.00324	.00088	.00019

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	1.250	IEABOX	=	.000
IB-ELV	=	10.000	OB-ELV	=	9.000

PARAMETRIC DATA

ALPHA	RUN NO.	644/ 0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
		MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD
-7.930	1	.24873	.01726	.00958	.00768	-.00808	.03639	-.15150
-4.025	1	.25004	.01559	.00862	.00696	-.00733	.03276	-.13553
.009	1	.24993	.01423	.00779	.00645	-.00675	.02957	-.12211
3.989	1	.24984	.01286	.00694	.00591	-.00622	.02638	-.10922
GRADIENT	-	.00003	-.00034	-.00021	-.00013	.00014	-.00080	.00322

	RUN NO.	645/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD
-8.056	1.24957	.01454	.00793	.00660	-.00695	.03013	-.12722
-4.049	1.25053	.01381	.00745	.00637	-.00669	.02829	-.11822
-.039	1.25021	.01351	.00723	.00628	-.00660	.02746	-.11350
3.969	1.24972	.01248	.00663	.00585	-.00615	.02517	-.10433
GRADIENT	1.20010	-.00017	-.00010	-.00006	.00007	-.00039	.00171

	RUN NO.	646/0	CNB	CNBO	CNEF	CLMB	CAB	-5.00/	5.00/
ALPHA	MACH								
-8.075	1.24900	.01890	.01025	.00865	-.00910	.03893			CPAD
-4.072	1.25022	.01713	.00926	.00786	-.00827	.03518			-.1618
.011	1.25037	.01542	.00838	.00714	-.00750	.03146			-.1454
4.072	1.25005	.01332	.00708	.00624	-.00655	.02590			-.1299
GRADIENT		-.00047	-.00027	-.00020	.00021	-.00102			-.1110
		-.00002							.0042

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (TC0023) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 469/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.913	-7.752	1.24896	.00680	.00401	.00279	-.00295	.01522	-.06229	-.12442	-.02118
-3.883	-3.966	1.24974	.00617	.00342	.00276	-.00290	.01297	-.05201	-.10520	.00850
-3.823	-.044	1.24951	.00511	.00259	.00251	-.00263	.00985	-.03971	-.10378	.04566
-3.881	3.874	1.25024	.00422	.00205	.00217	-.00227	.00780	-.03153	-.11678	.08314
	GRADIENT	.00006	-.00025	-.00017	-.00007	.00008	-.00066	.00261	-.00148	.00952

RUN NO. 470/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.810	1.24994	.00568	.00312	.00256	-.00269	.01185	-.04936	-.11204	-.00811
-.002	-5.054	1.24959	.00544	.00285	.00259	-.00272	.01083	-.04504	-.11088	.01062
-.001	-3.992	1.24980	.00530	.00274	.00256	-.00269	.01041	-.04338	-.10989	.02483
-.000	-.081	1.24967	.00516	.00262	.00254	-.00266	.00996	-.04094	-.11461	.05434
-.002	3.806	1.24985	.00401	.00198	.00203	-.00213	.00751	-.03067	-.11574	.04548
	GRADIENT	.00001	-.00017	-.00010	-.00007	.00007	-.00037	.00163	-.00075	.00265

RUN NO. 471/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.911	-7.815	1.25028	.00810	.00439	.00372	-.00391	.01667	-.06808	-.10507	.00178
3.870	-3.929	1.24974	.00673	.00356	.00316	-.00332	.01354	-.05550	-.09410	.03192
3.821	-.051	1.25040	.00510	.00268	.00243	-.00255	.01016	-.04184	-.09762	.04400
3.884	3.839	1.24948	.00449	.00235	.00214	-.00224	.00892	-.03655	-.11140	.04036
	GRADIENT	-.00003	-.00029	-.00016	-.00013	.00014	-.00059	.00244	-.00223	.00109

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(TC0024) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA		ALPHA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
-3.918	-7.746	1.29984	.00770	.00450	.00320	.01709	.07005	.12941	.02106												
-3.884	-3.963	1.29955	.00713	.00388	.00324	.01475	.05939	.10863	.00391												
-3.819	-.037	1.29903	.00600	.00308	.00293	.01168	.04694	.10440	.03916												
-3.870	3.822	1.29996	.00530	.00262	.00268	.00994	.04032	.12423	.07339												
	GRADIENT	.00005	-.00023	-.00016	-.00007	-.00062	.00245	-.00199	.00892												

BETA		ALPHA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
-0.002	-7.770	1.29989	.00662	.00359	.00303	.01363	.05668	.11871	.01341												
-0.001	-3.984	1.30015	.00621	.00317	.00303	.01205	.05032	.11569	.02026												
-0.001	-.043	1.30019	.00593	.00295	.00298	.01120	.04626	.12069	.04816												
.001	3.847	1.29952	.00506	.00253	.00253	.00961	.03943	.12280	.03644												
	GRADIENT	-.00008	-.00015	-.00008	-.00006	-.00031	.00139	-.00091	.00208												

BETA		ALPHA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
3.912	-7.771	1.29961	.00955	.00508	.00447	.01931	.07926	.10958	.00462												
3.887	-3.965	1.29975	.00777	.00407	.00371	.01545	.06392	.09892	.02638												
3.823	-.049	1.29944	.00617	.00321	.00296	.01221	.05070	.10375	.03853												
3.886	3.861	1.29943	.00542	.00280	.00262	.01063	.04347	.11694	.03227												
	GRADIENT	-.00004	-.00030	-.00016	-.00014	-.00062	.00261	-.00230	.00075												

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(TC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.914	-7.751	1.34965	.00777	.00449	.00328	-.00346	.01704	-.07017	-.13255	-.02743
-3.882	-3.957	1.34968	.00762	.00416	.00346	-.00364	.01579	-.06366	-.10899	.00374
-3.822	-.040	1.34968	.00626	.00319	.00306	-.00321	.01213	-.04868	-.10412	.03794
-3.866	3.826	1.35009	.00549	.00273	.00275	-.00289	.01038	-.04189	-.12263	.06927
	GRADIENT	.00005	-.00027	-.00018	-.00009	.00010	-.00070	.00280	-.00175	.00842

RUN NO. 483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.782	1.35008	.00695	.00379	.00316	-.00332	.01438	-.05963	-.12361	-.01435
-.001	-3.921	1.34986	.00659	.00335	.00324	-.00340	.01272	-.05288	-.11394	.02070
-.001	-.044	1.35025	.00642	.00319	.00323	-.00338	.01213	-.04966	-.12059	.04800
.001	3.807	1.35003	.00518	.00258	.00260	-.00273	.00981	-.04013	-.12410	.03552
	GRADIENT	.00002	-.00018	-.00010	-.00008	.00009	-.00038	.00165	-.00131	.00192

RUN NO. 485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.902	-7.781	1.34932	.00982	.00527	.00456	-.00479	.02000	-.08251	-.11198	-.00371
3.886	-3.958	1.34994	.00822	.00435	.00387	-.00407	.01651	-.06841	-.09817	.02467
3.821	-.044	1.35008	.00657	.00343	.00313	-.00329	.01305	-.05418	-.10183	.03548
3.889	3.882	1.34999	.00580	.00299	.00281	-.00295	.01136	-.04638	-.11831	.02660
	GRADIENT	.00001	-.00031	-.00017	-.00014	.00014	-.00066	.00281	-.00257	.00024

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC0026) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 489/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.400		IEABOX = .000	
BETA	ALPHA	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .000	-1.097	.00697	.00348	.00349	-.00366	.01321	.00000	.00000	.00000
-3.909	-7.739	.00755	.00433	.00322	-.00339	.01643	-.06765	-.13624	-.04109
-3.879	-3.951	.00784	.00428	.00356	-.00375	.01626	-.06594	-.11199	.00167
-3.821	-.037	.00638	.00329	.00310	-.00325	.01248	-.04993	-.10421	.03374
-3.873	3.836	.00644	.00324	.00320	-.00336	.01229	-.04950	-.12532	.06520
GRADIENT		-.00018	-.00013	-.00005	.00005	-.00051	.00211	-.00171	.00816

RUN NO. 490/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.400		IEABOX = .000	
BETA	ALPHA	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .002	-7.842	.00752	.00407	.00345	-.00363	.01547	-.06394	-.12939	-.01432
- .002	-4.751	.00738	.00381	.00357	-.00375	.01447	-.05997	-.11619	.01554
- .001	-3.983	.00730	.00373	.00357	-.00374	.01418	-.05883	-.11397	.02308
- .000	-.079	.00728	.00367	.00360	-.00378	.01396	-.05726	-.12205	.04727
.001	3.816	.00622	.00313	.00308	-.00323	.01190	-.04887	-.12777	.03735
GRADIENT		-.00012	-.00007	-.00005	.00005	-.00027	.00120	-.00153	.00272

RUN NO. 492/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.400		IEABOX = .000	
BETA	ALPHA	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.905	-7.754	.00948	.00509	.00438	-.00461	.01935	-.08001	-.11154	-.00434
3.885	-3.953	.00848	.00450	.00398	-.00418	.01709	-.07085	-.09838	.02318
3.825	-.033	.00688	.00360	.00327	-.00344	.01368	-.05684	-.10355	.03262
3.874	3.829	.00641	.00332	.00309	-.00324	.01260	-.05149	-.12240	.02414
GRADIENT		-.00027	-.00015	-.00011	.00012	-.00058	.00249	-.00308	.00013

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.913	-7.780	1.39933	.00725	.00422	.00303	-.00319	.01602	-.06619	-.13459	-.02954
-3.882	-3.930	1.39999	.00710	.00389	.00321	-.00338	.01478	-.06024	-.11674	.01117
-3.821	-.026	1.40021	.00565	.00292	.00273	-.00287	.01108	-.04406	-.09946	.03633
-3.869	3.845	1.39979	.00582	.00294	.00288	-.00302	.01116	-.04458	-.12255	.07129
	GRADIENT	-.00003	-.00017	-.00012	-.00004	.00005	-.00047	.00202	-.00074	.00773

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.769	1.39978	.00730	.00393	.00337	-.00354	.01494	-.06192	-.12820	-.00474
-.002	-3.957	1.40001	.00678	.00345	.00333	-.00349	.01310	-.05485	-.10471	.02685
-.000	-.080	1.39964	.00644	.00325	.00318	-.00334	.01236	-.05101	-.11475	.05639
.001	3.829	1.39998	.00574	.00291	.00283	-.00296	.01106	-.04526	-.12577	.05586
	GRADIENT	-.00000	-.00013	-.00007	-.00006	.00007	-.00026	.00123	-.00271	.00372

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.903	-7.736	1.39982	.00891	.00486	.00405	-.00426	.01846	-.07620	-.11108	-.00153
3.885	-3.948	1.40007	.00785	.00420	.00366	-.00384	.01594	-.06596	-.09551	.02744
3.820	-.037	1.40016	.00638	.00334	.00304	-.00319	.01270	-.05273	-.09737	.04112
3.869	3.836	1.40006	.00577	.00301	.00276	-.00289	.01143	-.04668	-.11755	.03710
	GRADIENT	-.00000	-.00027	-.00015	-.00012	.00012	-.00058	.00248	-.00283	.00124

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC0028) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 545/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.962	-7.796	1.54820	.00727	.00416	.00311	-.00328	.01579	-.06564	-.13545	-.03504
-3.955	-3.993	1.54865	.00767	.00407	.00361	-.00379	.01545	-.06293	-.11938	.00643
-3.920	-.015	1.54981	.00600	.00303	.00297	-.00311	.01153	-.04625	-.11608	.03272
-3.940	3.920	1.54871	.00636	.00317	.00320	-.00335	.01203	-.04767	-.12532	.06170
	GRADIENT	.00001	-.00017	-.00011	-.00005	.00006	-.00043	.00193	-.00075	.00698

RUN NO. 546/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.730	1.54929	.00761	.00414	.00347	-.00365	.01574	-.06534	-.13176	-.01034
-.001	-3.849	1.54949	.00654	.00332	.00323	-.00338	.01260	-.05206	-.10775	.02110
.000	.046	1.54950	.00715	.00362	.00353	-.00371	.01374	-.05598	-.11786	.06035
.001	3.940	1.54863	.00646	.00328	.00319	-.00334	.01244	-.05067	-.12183	.05829
	GRADIENT	-.00011	-.00001	-.00001	-.00001	.00001	-.00002	.00018	-.00181	.00478

RUN NO. 547/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.955	-7.807	1.54938	.00822	.00446	.00376	-.00396	.01693	-.07026	-.10683	-.00252
3.936	-3.969	1.54907	.00818	.00441	.00377	-.00396	.01677	-.06974	-.09902	.02367
3.921	-.018	1.54996	.00728	.00389	.00339	-.00356	.01477	-.06115	-.10199	.03578
3.944	3.917	1.54854	.00707	.00374	.00333	-.00350	.01420	-.05821	-.12706	.02665
	GRADIENT	-.00007	-.00014	-.00009	-.00005	.00006	-.00033	.00146	-.00355	.00038

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0029) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.004	-8.097	.60140	.02528	.01323	.01205	-.01266	.05024	-.21439	-.39228	-.36985
-3.997	-4.006	.60081	.02496	.01308	.01188	-.01247	.04969	-.21178	-.36701	-.36181
-3.993	.002	.60042	.02366	.01240	.01126	-.01182	.04711	-.20051	-.35075	-.35382
-3.999	3.992	.59946	.02321	.01217	.01104	-.01159	.04622	-.19725	-.34337	-.33811
	GRADIENT	-.00017	-.00022	-.00011	-.00011	.00011	-.00043	.00182	.00296	.00296

RUN NO. 690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-8.016	.59885	.02410	.01265	.01145	-.01203	.04805	-.20540	-.37671	-.35377
-.001	-3.931	.59977	.02258	.01185	.01072	-.01126	.04502	-.19230	-.34724	-.32003
.001	.067	.60103	.02166	.01136	.01030	-.01082	.04314	-.18438	-.33718	-.31412
.003	4.044	.60053	.02094	.01100	.00995	-.01045	.04177	-.17838	-.32747	-.30409
	GRADIENT	.00010	-.00020	-.00011	-.00010	.00010	-.00041	.00174	.00248	.00200

RUN NO. 691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.044	.59925	.02625	.01370	.01255	-.01318	.05202	-.22222	-.39740	-.30505
3.997	-4.007	.60110	.02465	.01290	.01175	-.01233	.04900	-.20884	-.36266	-.27750
3.994	-.036	.60055	.02350	.01231	.01119	-.01175	.04674	-.19968	-.35193	-.26910
3.998	3.976	.60007	.02268	.01185	.01083	-.01137	.04500	-.19308	-.34131	-.27127
	GRADIENT	-.00013	-.00025	-.00013	-.00011	.00012	-.00050	.00197	.00267	.00078

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(TC0030) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 693/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.995	-7.984	.79890	.02733	.01442	.01291	-.01356	.05476	-.23209	-.39690	-.35935
-4.000	-4.038	.80032	.02558	.01354	.01204	-.01265	.05141	-.21756	-.36204	-.35118
-3.986	-.039	.80015	.02426	.01285	.01141	-.01199	.04879	-.20629	-.34182	-.35006
-3.996	3.995	.79964	.02364	.01258	.01106	-.01162	.04777	-.20228	-.33131	-.35151
	GRADIENT	-.00008	-.00024	-.00012	-.00012	.00013	-.00045	.00190	.00382	-.00004

RUN NO. 694/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-8.033	.80013	.02544	.01345	.01199	-.01259	.05110	-.21747	-.37156	-.34639
.001	-4.031	.79996	.02436	.01288	.01147	-.01205	.04894	-.20809	-.34654	-.31406
.001	.106	.79991	.02294	.01211	.01083	-.01137	.04600	-.19530	-.32850	-.30724
-.001	4.095	.79923	.02182	.01148	.01034	-.01086	.04359	-.18494	-.31569	-.30845
	GRADIENT	-.00009	-.00031	-.00017	-.00014	.00015	-.00066	.00285	.00380	.00070

RUN NO. 695/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.007	.79982	.02769	.01460	.01309	-.01375	.05545	-.23518	-.39819	-.28636
3.997	-4.044	.80033	.02586	.01366	.01219	-.01281	.05190	-.21980	-.36045	-.26256
3.980	-.029	.80016	.02379	.01255	.01124	-.01181	.04767	-.20122	-.33426	-.26441
3.996	3.991	.79997	.02359	.01243	.01116	-.01172	.04720	-.19963	-.32253	-.26890
	GRADIENT	-.00004	-.00028	-.00015	-.00013	.00013	-.00058	.00251	.00472	-.00079

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0031) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 696/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.110	.89974	.02922	.01549	.01373	-.01443	.05884	-.24883	-.39676	-.33272
-3.998	-4.063	.90028	.02703	.01435	.01267	-.01332	.05452	-.23025	-.36840	-.34172
-3.997	-.003	.90003	.02559	.01362	.01197	-.01257	.05173	-.21833	-.34828	-.35089
-3.994	3.987	.89990	.02447	.01297	.01149	-.01207	.04928	-.20858	-.32588	-.35064
	GRADIENT	-.00005	-.00032	-.00017	-.00015	.00015	-.00065	.00269	.00528	-.00111

RUN NO. 697/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.029	.90008	.02754	.01459	.01295	-.01360	.05541	-.23493	-.38221	-.32875
.001	-4.518	.90034	.02576	.01365	.01210	-.01271	.05186	-.21972	-.35227	-.30946
.001	-3.909	.89985	.02554	.01353	.01201	-.01262	.05139	-.21774	-.34779	-.30787
.000	.103	.89968	.02371	.01257	.01114	-.01170	.04776	-.20256	-.32917	-.30723
-.001	4.092	.89939	.02236	.01184	.01052	-.01105	.04496	-.19093	-.31069	-.31687
	GRADIENT	-.00009	-.00040	-.00021	-.00019	.00020	-.00081	.00339	.00476	-.00084

RUN NO. 698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.990	-7.954	.89988	.02996	.01600	.01396	-.01467	.06078	-.25698	-.38712	-.29151
3.998	-4.033	.89991	.02696	.01426	.01270	-.01334	.05415	-.22879	-.36749	-.26837
3.985	.040	.90010	.02503	.01325	.01178	-.01237	.05034	-.21317	-.34330	-.27575
3.998	3.996	.89956	.02447	.01296	.01152	-.01210	.04922	-.20853	-.32222	-.28504
	GRADIENT	-.00004	-.00031	-.00016	-.00015	.00016	-.00062	.00253	.00564	-.00208

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0032) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
-3.999		.94848		.03083		.01638		.01445		-.01518		.06221		-.26347		-.40117		-.34268	
-3.997		.94957		.02929		.01570		.01359		-.01428		.05963		-.25190		-.37453		-.36513	
-3.996		.95062		.02750		.01475		.01275		-.01340		.05603		-.23700		-.36020		-.38218	
-3.993		.94872		.02647		.01417		.01230		-.01293		.05383		-.22796		-.34516		-.38621	
GRADIENT		-.00010		-.00035		-.00019		-.00016		.00017		-.00072		.00298		.00365		-.00262	
RUN NO. 702/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00																			
BETA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
-.002		.95034		.02934		.01567		.01367		-.01436		.05952		-.25251		-.38492		-.34046	
-.001		.95016		.02742		.01466		.01277		-.01341		.05567		-.23598		-.36099		-.33701	
-.000		.95029		.02573		.01376		.01196		-.01257		.05228		-.22145		-.34305		-.33592	
.002		.94852		.02448		.01306		.01142		-.01200		.04962		-.21049		-.31871		-.34029	
GRADIENT		-.00020		-.00037		-.00020		-.00017		.00018		-.00076		.00319		.00527		-.00040	
RUN NO. 703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00																			
BETA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
3.992		.94976		.03195		.01716		.01479		-.01555		.06519		-.27586		-.39255		-.30053	
3.997		.95000		.03024		.01620		.01404		-.01476		.06153		-.25957		-.37557		-.28751	
3.984		.95122		.02806		.01504		.01302		-.01369		.05711		-.24102		-.35622		-.28333	
3.998		.94875		.02622		.01392		.01230		-.01293		.05287		-.22344		-.33468		-.29535	
GRADIENT		-.00015		-.00050		-.00028		-.00022		.00023		-.00108		.00450		.00508		-.00096	
RUN NO. 704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00																			
BETA		MACH		CNB		CNBO		CNBF		CLMB		CAB		CPAO		CPAT		CPAS	
3.992		.94976		.03195		.01716		.01479		-.01555		.06519		-.27586		-.39255		-.30053	
3.997		.95000		.03024		.01620		.01404		-.01476		.06153		-.25957		-.37557		-.28751	
3.984		.95122		.02806		.01504		.01302		-.01369		.05711		-.24102		-.35622		-.28333	
3.998		.94875		.02622		.01392		.01230		-.01293		.05287		-.22344		-.33468		-.29535	
GRADIENT		-.00015		-.00050		-.00028		-.00022		.00023		-.00108		.00450		.00508		-.00096	

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0033) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 705/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.997	-8.100	1.04694	.03448	.01837	.01611	-.01693	.06978	-.29415	-.42699	-.44674
-3.998	-4.067	1.05194	.03396	.01837	.01559	-.01639	.06979	-.29443	-.40459	-.46115
-4.000	.004	1.05033	.03225	.01752	.01473	-.01549	.06656	-.28101	-.38576	-.46898
-4.002	4.046	1.04974	.03091	.01688	.01403	-.01476	.06411	-.27065	-.37137	-.46843
	GRADIENT	-.00027	-.00038	-.00018	-.00019	.00020	-.00070	.00293	.00410	-.00090

RUN NO. 706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.041	1.04966	.03322	.01779	.01544	-.01622	.06756	-.28573	-.41070	-.44957
-.001	-4.038	1.05110	.03158	.01703	.01455	-.01529	.06470	-.27403	-.38774	-.42396
-.000	-.031	1.05049	.03035	.01640	.01395	-.01467	.06229	-.26374	-.38063	-.41205
-.001	3.976	1.04941	.02955	.01594	.01361	-.01431	.06055	-.25682	-.36359	-.42952
	GRADIENT	-.00021	-.00025	-.00014	-.00012	.00012	-.00052	.00215	.00301	-.00069

RUN NO. 707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.024	1.04955	.03696	.02007	.01689	-.01776	.07622	-.32247	-.42797	-.38798
4.001	-4.073	1.05167	.03475	.01882	.01593	-.01675	.07147	-.30128	-.40454	-.37075
3.995	.015	1.05073	.03274	.01767	.01507	-.01584	.06712	-.28223	-.38544	-.35802
4.006	4.070	1.04946	.03050	.01641	.01410	-.01482	.06231	-.26183	-.36843	-.36914
	GRADIENT	-.00027	-.00052	-.00030	-.00023	.00024	-.00112	.00484	.00443	.00020

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0034) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.097	1.09825	.04064	.02178	.01886	-.01982	.08274	-.34822	-.47431	-.55291	
-3.999	-4.092	1.10069	.03868	.02086	.01783	-.01874	.07922	-.33289	-.43750	-.53428	
-3.997	.002	1.10007	.03686	.01993	.01694	-.01781	.07569	-.31862	-.42424	-.52047	
-4.003	4.046	1.09984	.03425	.01862	.01563	-.01644	.07072	-.29744	-.39727	-.51176	
	GRADIENT	-.00010	-.00054	-.00027	-.00027	.00028	-.00104	.00436	.00494	.00277	
		RUN NO. 709/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/		5.00					
BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.052	1.09977	.03866	.02077	.01788	-.01880	.07890	-.33211	-.45062	-.51093	
-.001	-4.747	1.10062	.03692	.01990	.01702	-.01789	.07559	-.31814	-.42743	-.48593	
.001	-4.031	1.10002	.03658	.01975	.01683	-.01769	.07501	-.31578	-.42477	-.48320	
-.000	.022	1.09973	.03545	.01922	.01622	-.01706	.07301	-.30773	-.41160	-.46591	
-.001	3.969	1.09937	.03470	.01887	.01583	-.01665	.07166	-.30139	-.39005	-.47999	
	GRADIENT	-.00012	-.00025	-.00012	-.00013	.00014	-.00045	.00190	.00420	.00097	
		RUN NO. 710/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/		5.00					
BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.017	1.09938	.04251	.02289	.01962	-.02063	.08694	-.36589	-.47308	-.45928	
3.999	-4.058	1.10113	.03847	.02063	.01784	-.01875	.07836	-.32953	-.43612	-.43557	
3.991	.013	1.09997	.03672	.01968	.01704	-.01791	.07475	-.31363	-.41270	-.41592	
4.001	4.049	1.09976	.03450	.01846	.01604	-.01686	.07012	-.29400	-.39200	-.43113	
	GRADIENT	-.00017	-.00049	-.00027	-.00022	.00023	-.00102	.00438	.00544	.00055	
		RUN NO. 711/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/		5.00					

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0035) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.995	-8.109	1.14863	.03404	.01824	.01579	-.01660	.06928	-.29165	-.40878	-.47903
-4.014	-3.951	1.15025	.03282	.01766	.01516	-.01594	.06708	-.28226	-.38601	-.46575
-4.002	-.010	1.15002	.03194	.01723	.01471	-.01546	.06545	-.27537	-.37512	-.45680
-3.985	3.994	1.15008	.03068	.01663	.01405	-.01477	.06317	-.26522	-.35256	-.45143
	GRADIENT	-.00002	-.00027	-.00013	-.00014	.00015	-.00049	.00214	.00421	.00180

RUN NO. 713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.054	1.15071	.03240	.01737	.01502	-.01579	.06599	-.27790	-.39432	-.45233
.000	-4.050	1.15025	.03133	.01689	.01445	-.01519	.06414	-.27022	-.37638	-.42397
-.001	-.035	1.15054	.03060	.01658	.01402	-.01474	.06298	-.26555	-.36722	-.41688
.001	3.967	1.14941	.03023	.01649	.01374	-.01445	.06263	-.26330	-.34606	-.42946
	GRADIENT	-.00010	-.00014	-.00005	-.00009	.00009	-.00019	.00086	.00378	-.00068

RUN NO. 714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.993	-8.026	1.14983	.03613	.01945	.01668	-.01753	.07386	-.31123	-.41356	-.39276
3.999	-4.101	1.15064	.03344	.01794	.01550	-.01629	.06814	-.28659	-.38769	-.37504
3.996	.014	1.15079	.03223	.01728	.01495	-.01571	.06564	-.27572	-.37115	-.36093
4.001	4.076	1.15045	.03049	.01628	.01421	-.01493	.06185	-.25973	-.35555	-.37637
	GRADIENT	-.00002	-.00036	-.00020	-.00016	.00017	-.00077	.00328	.00393	-.00016

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0036) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 715/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-7.950	1.24977	.03025	.01613	.01412	-.01484	.06125	-.25832	-.37856	-.44690
-3.998	-4.016	1.25006	.02984	.01598	.01386	-.01457	.06069	-.25539	-.35895	-.43927
-3.993	-.005	1.24954	.02920	.01569	.01350	-.01419	.05961	-.25063	-.34394	-.43824
-3.999	4.098	1.24978	.02778	.01495	.01283	-.01349	.05679	-.23834	-.32092	-.42639
GRADIENT		-.00003	-.00025	-.00013	-.00013	.00013	-.00048	.00211	.00469	.00159

RUN NO. 716/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.088	1.25029	.02931	.01566	.01365	-.01434	.05948	-.25072	-.36406	-.42243
.000	-4.058	1.25062	.02865	.01538	.01327	-.01395	.05842	-.24603	-.34699	-.39817
-.001	-.021	1.24932	.02796	.01510	.01285	-.01351	.05736	-.24165	-.33528	-.39545
-.002	3.962	1.25022	.02731	.01481	.01249	-.01314	.05626	-.23660	-.31486	-.40406
GRADIENT		-.00005	-.00017	-.00007	-.00010	.00010	-.00027	.00118	.00400	-.00073

RUN NO. 717/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.000	-8.064	1.24976	.03325	.01780	.01545	-.01624	.06759	-.28530	-.38403	-.36816
4.004	-4.025	1.25022	.03164	.01696	.01469	-.01544	.06441	-.27166	-.36272	-.35987
3.996	.006	1.25048	.02936	.01570	.01367	-.01436	.05962	-.25115	-.34279	-.34666
3.996	3.982	1.24936	.02911	.01564	.01348	-.01416	.05939	-.25030	-.33572	-.35882
GRADIENT		-.00011	-.00032	-.00017	-.00015	.00016	-.00063	.00267	.00338	.00014

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(TC0037) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-7.992	1.24925	.03028	.01610	.01418	-.01490	.06114	-.25789	-.37905	-.44612
-4.010	-3.922	1.25043	.02937	.01573	.01364	-.01433	.05977	-.25143	-.35789	-.43450
-4.004	-.009	1.24997	.02881	.01548	.01332	-.01400	.05881	-.24730	-.34372	-.43652
-3.995	4.008	1.24999	.02751	.01482	.01269	-.01334	.05630	-.23639	-.32193	-.42505
	GRADIENT	-.00005	-.00023	-.00012	-.00012	.00012	-.00044	.00190	.00454	.00120

RUN NO. 1450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-0.003	-8.084	1.24949	.02903	.01551	.01353	-.01421	.05890	-.24836	-.36323	-.42175
-0.002	-5.129	1.25045	.02866	.01537	.01329	-.01397	.05839	-.24583	-.35036	-.39740
-0.000	-3.995	1.25018	.02837	.01525	.01313	-.01380	.05792	-.24395	-.34540	-.39463
-0.001	-.042	1.24997	.02747	.01484	.01263	-.01328	.05637	-.23750	-.33345	-.39272
-0.002	3.992	1.24976	.02705	.01469	.01235	-.01299	.05581	-.23471	-.31490	-.40257
	GRADIENT	-.00005	-.00017	-.00007	-.00010	.00010	-.00026	.00116	.00382	-.00100

RUN NO. 1451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.028	1.24963	.03272	.01752	.01520	-.01598	.06654	-.28087	-.38073	-.36738
4.002	-4.013	1.25004	.03105	.01663	.01441	-.01515	.06317	-.26644	-.36058	-.35843
3.995	.026	1.25013	.02869	.01536	.01333	-.01401	.05834	-.24567	-.33999	-.34816
4.004	4.077	1.24967	.02862	.01539	.01324	-.01391	.05844	-.24629	-.33456	-.35529
	GRADIENT	-.00005	-.00030	-.00015	-.00015	.00015	-.00058	.00249	.00322	.00039

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0038) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-8.050	1.29971	.02961	.01576	.01385	-.01455	.05988	-.25298	-.37590	-.43541
-4.007	-3.922	1.30006	.02849	.01524	.01325	-.01392	.05788	-.24382	-.35022	-.41439
-4.003	-.012	1.29967	.02813	.01513	.01300	-.01366	.05748	-.24142	-.33097	-.41367
-4.000	3.996	1.29996	.02703	.01457	.01247	-.01310	.05533	-.23221	-.31302	-.40569
	GRADIENT	-.00001	-.00018	-.00009	-.00010	.00010	-.00032	.00147	.00470	.00110

RUN NO. 1454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.090	1.30024	.02841	.01521	.01320	-.01387	.05777	-.24350	-.35444	-.41148
.000	-4.067	1.30022	.02804	.01508	.01296	-.01362	.05727	-.24110	-.33681	-.38878
.000	-.045	1.29983	.02723	.01471	.01252	-.01316	.05589	-.23556	-.32523	-.38554
-.002	3.989	1.29995	.02678	.01453	.01225	-.01288	.05519	-.23230	-.30731	-.39475
	GRADIENT	-.00003	-.00016	-.00007	-.00009	.00009	-.00026	.00109	.00366	-.00074

RUN NO. 1455/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.000	-8.036	1.29898	.03236	.01734	.01501	-.01578	.06587	-.27813	-.37515	-.35487
4.002	-4.019	1.30005	.03098	.01666	.01432	-.01505	.06327	-.26681	-.35398	-.34776
3.996	.008	1.29998	.02774	.01489	.01285	-.01351	.05655	-.23884	-.33977	-.33569
4.000	3.980	1.29954	.02837	.01527	.01310	-.01377	.05800	-.24464	-.32968	-.34570
	GRADIENT	-.00006	-.00033	-.00017	-.00015	.00016	-.00066	.00278	.00304	.00026

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0039) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1457/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-7.969	1.34985	.02977	.01578	.01399	-.01470	.05994	-.25353	-.36935	-.42763
-4.014	-3.925	1.35018	.02814	.01501	.01312	-.01379	.05703	-.24049	-.34241	-.41177
-4.005	-.052	1.34971	.02778	.01491	.01287	-.01352	.05665	-.23790	-.32158	-.40696
-3.998	4.000	1.34963	.02670	.01434	.01236	-.01299	.05447	-.22903	-.30659	-.40653
	GRADIENT	-.00007	-.00018	-.00009	-.00010	.00010	-.00032	.00145	.00451	.00066

RUN NO. 1458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-8.089	1.34971	.02789	.01491	.01298	-.01364	.05665	-.23868	-.35013	-.39662
-0.002	-4.073	1.35020	.02704	.01451	.01253	-.01317	.05512	-.23207	-.32599	-.37790
-0.000	-.018	1.34911	.02673	.01442	.01230	-.01293	.05479	-.23077	-.31379	-.37525
-0.002	3.952	1.34948	.02661	.01441	.01220	-.01283	.05474	-.23007	-.29620	-.38414
	GRADIENT	-.00009	-.00005	-.00001	-.00004	.00004	-.00005	.00025	.00371	-.00077

RUN NO. 1459/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-7.899	1.34946	.03161	.01696	.01465	-.01540	.06442	-.27190	-.36738	-.35687
3.999	-4.099	1.35004	.03066	.01652	.01414	-.01486	.06276	-.26465	-.34617	-.34725
4.000	.019	1.35000	.02964	.01596	.01367	-.01437	.06063	-.25605	-.33019	-.32952
3.999	3.985	1.34940	.02800	.01504	.01297	-.01363	.05713	-.24175	-.32135	-.33998
	GRADIENT	-.00008	-.00033	-.00018	-.00014	.00015	-.00070	.00283	.00308	.00092

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0040) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.	FT.
LREF	=	474.8100	INCHES	
BREF	=	936.6800	INCHES	
SCALE	=	.0300		
XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT
MACH	=	1.400		I EABOX = .000
IB-ELV	=	10.000		O B-ELV = 5.000

PARAMETRIC DATA

	RUN NO.	1460/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00/
ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO
-8.026	1.39968	.02999	.01596	.01403	-.01475	.06062	-.2574
-3.923	1.39973	.02800	.01493	.01307	-.01373	.05671	-.23955
-.020	1.40022	.02739	.01467	.01272	-.01337	.05573	-.23433
4.003	1.39984	.02647	.01418	.01229	-.01291	.05386	-.22661
GRADIENT	.00001	-.00019	-.00009	-.00010	.00010	-.00036	.00161

ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO
-8.089	1.39975	.02775	.01484	.01292	-.01358	.05635	-.23711
-4.805	1.40008	.02763	.01483	.01280	-.01346	.05634	-.23756
-4.041	1.39978	.02738	.01470	.01268	-.01332	.05584	-.23533
-.052	1.40000	.02682	.01443	.01239	-.01302	.05482	-.23111
3.941	1.39966	.02645	.01428	.01217	-.01279	.05425	-.22800
GRADIENT	-.00003	-.00013	-.00006	-.00007	.00007	-.00023	.00103

ALPHA	RUN NO.	1462/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	
MACH		CNB	CNBO	CNBF	CLMB	CAB	CPAO
-8.034	1.39977	.03112	.01670	.01442	-.01516	.06343	-.26804
-4.020	1.39963	.03041	.01640	.01402	-.01474	.06228	-.26288
.015	1.39994	.03000	.01618	.01382	-.01452	.06147	-.25966
4.044	1.39966	.02839	.01530	.01309	-.01376	.05812	-.24611
GRADIENT	.00000	-.00025	-.00014	-.00011	.00012	-.00052	.00209

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1464/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.945	-7.904	1.54929	.02899	.01553	.01346	-.01414	.05898	-.25066	-.33326	-.38742
-3.927	-3.881	1.54540	.02830	.01516	.01314	-.01381	.05757	-.24453	-.31711	-.36017
-3.902	-.053	1.54953	.02626	.01404	.01222	-.01285	.05332	-.22559	-.29069	-.37560
-3.916	3.952	1.54922	.02522	.01351	.01171	-.01231	.05130	-.21663	-.27156	-.38681
	GRADIENT	.00048	-.00039	-.00021	-.00018	.00019	-.00080	.00355	.00581	-.00340

RUN NO. 1465/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.973	1.54916	.02682	.01433	.01249	-.01312	.05444	-.22871	-.32327	-.35488
.001	-3.973	1.54876	.02693	.01451	.01242	-.01306	.05511	-.23175	-.30910	-.33416
-.001	.039	1.54973	.02647	.01427	.01219	-.01282	.05421	-.22819	-.28513	-.33643
.002	4.096	1.54869	.02488	.01340	.01148	-.01207	.05091	-.21436	-.26569	-.35658
	GRADIENT	-.00001	-.00025	-.00014	-.00012	.00012	-.00052	.00216	.00538	-.00278

RUN NO. 1466/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.045	-7.993	1.54919	.02789	.01495	.01294	-.01360	.05678	-.23976	-.32957	-.31507
4.073	-4.164	1.54926	.02808	.01507	.01301	-.01368	.05723	-.24239	-.32460	-.31124
4.099	.015	1.54972	.02908	.01571	.01337	-.01406	.05967	-.25290	-.31023	-.30461
4.068	4.141	1.54870	.02699	.01459	.01241	-.01304	.05541	-.23509	-.28303	-.31360
	GRADIENT	-.00007	-.00013	-.00006	-.00007	.00008	-.00022	.00087	.00500	-.00028

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC0042) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 837/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.921	.6008	.01796	.01042	.00753	-.00795	.03960	-.17090	-.23898	-.19799
-3.999	-4.005	.60089	.01555	.00911	.00644	-.00680	.03460	-.14823	-.21888	-.18875
-4.000	-.003	.60126	.01298	.00773	.00525	-.00555	.02936	-.12605	-.20595	-.17827
-3.995	3.988	.60078	.01133	.00706	.00427	-.00453	.02682	-.11564	-.18867	-.15322
	GRADIENT	-.00001	-.00053	-.00026	-.00027	.00028	-.00097	.00408	.00378	.00444

RUN NO. 838/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.912	.59829	.01435	.00851	.00584	-.00617	.03234	-.13984	-.23426	-.22367
.000	-3.952	.59983	.01226	.00733	.00493	-.00521	.02784	-.12120	-.21452	-.17926
.000	.066	.60053	.00988	.00599	.00389	-.00412	.02274	-.09943	-.20039	-.15417
-.001	4.030	.60042	.00878	.00541	.00337	-.00357	.02054	-.08818	-.18723	-.14059
	GRADIENT	.00007	-.00044	-.00024	-.00020	.00021	-.00092	.00414	.00342	.00485

RUN NO. 839/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.080	.59854	.01766	.01025	.00740	-.00781	.03894	-.17051	-.24867	-.16463
3.989	-4.001	.59989	.01520	.00899	.00621	-.00656	.03416	-.14820	-.22487	-.14597
3.989	-.049	.59987	.01253	.00741	.00512	-.00541	.02814	-.12108	-.21261	-.13416
3.989	3.991	.59976	.00998	.00585	.00414	-.00437	.02221	-.09663	-.19477	-.12976
	GRADIENT	-.00002	-.00065	-.00039	-.00026	.00027	-.00150	.00645	.00377	.00202

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0043) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-8.024	.79940	.01733	.00988	.00745	-.00785	.03752	-.15939	-.22538	-.17746
-4.001	-3.991	.80053	.01394	.00814	.00580	-.00613	.03091	-.13069	-.20140	-.15727
-4.013	.097	.80016	.01170	.00686	.00484	-.00511	.02606	-.11067	-.18770	-.14279
-3.994	4.008	.79964	.00986	.00598	.00388	-.00410	.02273	-.09752	-.16386	-.13484
	GRADIENT	-.00011	-.00051	-.00027	-.00024	.00025	-.00102	.00415	.00468	.00281

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.047	.79982	.01338	.00791	.00547	-.00578	.03004	-.12955	-.21787	-.17630
.001	-3.909	.80071	.01095	.00646	.00450	-.00475	.02452	-.10679	-.19761	-.14134
-.000	.063	.80015	.00905	.00536	.00369	-.00390	.02035	-.08878	-.18179	-.12170
-.001	4.063	.79934	.00716	.00433	.00283	-.00299	.01644	-.07097	-.16225	-.11563
	GRADIENT	-.00017	-.00048	-.00027	-.00021	.00022	-.00101	.00449	.00444	.00322

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.992	-7.975	.79925	.01699	.00995	.00704	-.00743	.03780	-.16299	-.22567	-.12081
3.990	-4.014	.80045	.01389	.00820	.00569	-.00601	.03116	-.13274	-.20331	-.10974
3.979	-.048	.80023	.01160	.00684	.00475	-.00502	.02599	-.10948	-.18982	-.10581
3.999	3.915	.79966	.00941	.00557	.00384	-.00406	.02114	-.09074	-.17061	-.10255
	GRADIENT	-.00010	-.00057	-.00033	-.00023	.00025	-.00126	.00530	.00412	.00091

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.2

(TC0044) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO.		830/ 0	RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
-3.999	-8.066	.89908	.01729	.00978	.00751	-.00792	.03714	-.15628	-.21961	-.15622	
-4.011	-3.943	.89979	.01338	.00763	.00576	-.00607	.02897	-.12215	-.19339	-.13528	
-4.001	.025	.89980	.01089	.00624	.00465	-.00491	.02370	-.10086	-.17598	-.12237	
-3.996	4.003	.90012	.00896	.00537	.00358	-.00379	.02041	-.08705	-.15262	-.11339	
	GRADIENT	.00004	-.00056	-.00028	-.00027	.00029	-.00108	.00442	.00513	.00275	
RUN NO.		831/ 0	RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
.001	-8.048	.89987	.01349	.00779	.00569	-.00600	.02960	-.12691	-.21166	-.15143	
.001	-4.540	.90037	.01105	.00642	.00463	-.00488	.02440	-.10506	-.18761	-.12226	
.000	-3.909	.89981	.01075	.00621	.00453	-.00478	.02360	-.10182	-.18633	-.11687	
-.000	-.021	.89981	.00857	.00489	.00368	-.00388	.01858	-.08147	-.16601	-.09086	
-.001	4.096	.89956	.00651	.00372	.00279	-.00294	.01412	-.06324	-.15309	-.09958	
	GRADIENT	-.00007	-.00053	-.00032	-.00021	.00023	-.00120	.00487	.00415	.00284	
RUN NO.		832/ 0	RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
3.991	-7.979	.89956	.01719	.00999	.00721	-.00760	.03793	-.16126	-.22068	-.10633	
3.987	-3.996	.90017	.01327	.00777	.00550	-.00581	.02950	-.12499	-.19751	-.09126	
3.974	.026	.90069	.01052	.00614	.00437	-.00462	.02333	-.09953	-.18069	-.08883	
3.990	3.992	.89977	.00889	.00521	.00368	-.00388	.01978	-.08398	-.15825	-.09210	
	GRADIENT	-.00005	-.00055	-.00032	-.00023	.00024	-.00122	.00514	.00491	-.00010	

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0045) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 827/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.004	-8.044	.94901	.01673	.00946	.00728	-.00767	.03592	-.14973	-.21212	-.13651
-4.007	-3.976	.95043	.01250	.00704	.00546	-.00575	.02675	-.11180	-.18682	-.11436
-4.002	.001	.94992	.00995	.00554	.00441	-.00464	.02104	-.08859	-.17171	-.10365
-3.993	3.997	.94943	.00799	.00453	.00347	-.00365	.01719	-.07300	-.15598	-.10338
	GRADIENT	-.00013	-.00057	-.00032	-.00025	.00026	-.00120	.00487	.00387	.00138

RUN NO. 828/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.050	.94988	.01408	.00797	.00610	-.00643	.03029	-.13048	-.19894	-.13447
.000	-4.038	.95003	.01019	.00583	.00436	-.00460	.02214	-.09542	-.17521	-.10722
-.001	-.036	.95023	.00765	.00422	.00343	-.00361	.01604	-.06917	-.16150	-.08154
-.001	4.095	.94936	.00527	.00285	.00242	-.00255	.01083	-.04859	-.13916	-.08310
	GRADIENT	-.00008	-.00060	-.00037	-.00024	.00025	-.00139	.00575	.00444	.00295

RUN NO. 829/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.992	-7.961	.94949	.01642	.00943	.00699	-.00737	.03584	-.15091	-.21275	-.09539
3.992	-4.017	.95025	.01298	.00749	.00548	-.00578	.02847	-.11899	-.18846	-.07770
3.973	.071	.95068	.01040	.00594	.00446	-.00470	.02256	-.09417	-.17263	-.07197
3.991	3.984	.94955	.00793	.00434	.00359	-.00378	.01647	-.07037	-.15138	-.07164
	GRADIENT	-.00009	-.00063	-.00039	-.00024	.00025	-.00150	.00608	.00463	.00076

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2 (TC0046) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 823/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-7.964	1.04795	.01942	.01087	.00856	-.00901	.04128	-.17131	-.22029	-.12929
-4.009	-3.973	1.05075	.01617	.00906	.00711	-.00749	.03441	-.14289	-.20317	-.11489
-4.010	.110	1.05062	.01426	.00797	.00629	-.00663	.03026	-.12514	-.19248	-.09480
-3.996	3.993	1.04943	.01228	.00691	.00537	-.00566	.02625	-.10658	-.17832	-.08083
	GRADIENT	-.00016	-.00049	-.00027	-.00022	.00023	-.00102	.00456	.00311	.00428

RUN NO. 824/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.887	1.04877	.01582	.00869	.00713	-.00750	.03301	-.13950	-.21156	-.13062
-.000	-4.049	1.05147	.01524	.00830	.00695	-.00731	.03151	-.13184	-.20842	-.10895
-.001	-.023	1.05078	.01433	.00780	.00653	-.00687	.02962	-.12261	-.20169	-.07927
-.002	4.082	1.04961	.01006	.00540	.00466	-.00490	.02051	-.08481	-.17012	-.08083
	GRADIENT	-.00023	-.00064	-.00036	-.00028	.00030	-.00136	.00579	.00472	.00345

RUN NO. 825/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.087	1.04827	.01925	.01051	.00874	-.00920	.03991	-.16540	-.21514	-.09995
3.995	-4.027	1.05266	.01766	.00961	.00805	-.00847	.03651	-.15061	-.20248	-.07686
3.993	.003	1.05090	.01535	.00839	.00697	-.00733	.03185	-.13126	-.18771	-.05786
4.000	4.045	1.04914	.01251	.00686	.00565	-.00594	.02605	-.10660	-.17701	-.04751
	GRADIENT	-.00044	-.00064	-.00034	-.00030	.00031	-.00130	.00545	.00316	.00364

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 820/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.100		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.079	1.09762	.02433	.01347	.01087	-.01144	.05115	-.21252	-.27117	-.18262
-4.012	-3.945	1.10167	.02037	.01123	.00914	-.00962	.04265	-.17765	-.24569	-.15643
-4.009	.109	1.10017	.01891	.01040	.00850	-.00895	.03951	-.16461	-.24225	-.13212
-3.990	4.005	1.09909	.01742	.00947	.00795	-.00836	.03596	-.14837	-.23936	-.10703
	GRADIENT	-.00032	-.00037	-.00022	-.00015	-.00016	-.00084	.00368	.00080	.00621
RUN NO. 821/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.100		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.081	1.09889	.02074	.01132	.00942	-.00991	.04299	-.18156	-.26088	-.18967
.000	-4.762	1.10114	.01865	.01013	.00852	-.00896	.03847	-.16166	-.24677	-.15320
.000	-4.042	1.09979	.01859	.01007	.00852	-.00896	.03823	-.16058	-.24617	-.14514
-.001	.104	1.10050	.01794	.00967	.00827	-.00870	.03673	-.15257	-.24392	-.11893
-.002	3.969	1.09916	.01659	.00886	.00774	-.00813	.03364	-.13984	-.22968	-.11773
	GRADIENT	-.00015	-.00023	-.00014	-.00009	-.00009	-.00054	.00246	.00183	.00414
RUN NO. 822/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.100		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.093	1.09538	.02616	.01417	.01198	-.01260	.05384	-.22368	-.26859	-.14258
3.995	-4.066	1.10331	.02091	.01129	.00962	-.01011	.04290	-.17741	-.24199	-.10324
3.990	.011	1.10072	.01957	.01051	.00906	-.00952	.03993	-.16526	-.23898	-.09227
3.997	4.020	1.09963	.01790	.00963	.00827	-.00869	.03658	-.15150	-.23748	-.09453
	GRADIENT	-.00046	-.00037	-.00021	-.00017	-.00018	-.00078	.00320	.00056	.00108

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0048) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 816/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.150		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.013	1.14925	.01757	.00979	.00778	-.00819	.03719	-.15425	-.20811	-.12486
-4.000	-4.025	1.15098	.01502	.00835	.00667	-.00702	.03171	-.13162	-.19154	-.10369
-4.011	.098	1.15046	.01364	.00755	.00609	-.00641	.02868	-.11925	-.18840	-.07546
-3.990	3.999	1.14948	.01255	.00692	.00564	-.00593	.02627	-.10813	-.18829	-.05621
	GRADIENT	-.00019	-.00031	-.00018	-.00013	.00014	-.00068	.00293	.00041	.00593

RUN NO. 817/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.150		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.098	1.14905	.01488	.00814	.00674	-.00709	.03092	-.13076	-.20364	-.13430
.000	-4.051	1.15055	.01318	.00712	.00606	-.00637	.02703	-.11335	-.19161	-.09188
-.001	-.031	1.15069	.01263	.00676	.00588	-.00618	.02566	-.10623	-.19360	-.06920
-.002	4.079	1.14955	.01147	.00611	.00536	-.00563	.02322	-.09611	-.17911	-.08092
	GRADIENT	-.00012	-.00021	-.00012	-.00009	.00009	-.00047	.00212	.00154	.00133

RUN NO. 818/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.150		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.089	1.14778	.01844	.01000	.00845	-.00888	.03797	-.15736	-.20306	-.08405
3.993	-4.043	1.15039	.01573	.00849	.00724	-.00762	.03224	-.13278	-.18743	-.05125
3.989	.017	1.15024	.01439	.00771	.00668	-.00702	.02928	-.12075	-.18271	-.04021
3.998	4.059	1.15033	.01280	.00688	.00592	-.00622	.02611	-.10721	-.18030	-.04505
	GRADIENT	-.00001	-.00036	-.00020	-.00016	.00017	-.00076	.00316	.00088	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0049) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 813/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.004	-7.949	1.24864	.01659	.00928	.00731	-.00770	.03523	-.14645	-.20120	-.11699
-4.012	-3.955	1.25012	.01480	.00817	.00664	-.00699	.03101	-.12884	-.18512	-.08868
-4.008	.004	1.25020	.01332	.00729	.00603	-.00634	.02770	-.11483	-.18590	-.06522
-3.996	4.006	1.24992	.01185	.00641	.00544	-.00572	.02435	-.10110	-.18350	-.04473
	GRADIENT	-.00003	-.00037	-.00022	-.00015	.00016	-.00084	.00348	.00020	.00552

RUN NO. 814/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.082	1.24921	.01388	.00756	.00633	-.00665	.02870	-.12145	-.19639	-.13834
-.000	-4.037	1.25023	.01284	.00691	.00593	-.00623	.02624	-.11003	-.18496	-.08488
-.001	-.045	1.25008	.01251	.00665	.00586	-.00615	.02527	-.10484	-.18546	-.06003
-.002	3.966	1.24983	.01171	.00619	.00552	-.00580	.02351	-.09734	-.17774	-.05908
	GRADIENT	-.00005	-.00014	-.00009	-.00005	.00005	-.00034	.00159	.00090	.00322

RUN NO. 815/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.992	-8.064	1.24864	.01778	.00965	.00813	-.00855	.03665	-.15253	-.19309	-.08172
3.997	-4.065	1.25044	.01609	.00870	.00738	-.00776	.03305	-.13634	-.18036	-.05255
3.990	.011	1.25042	.01433	.00768	.00665	-.00699	.02918	-.12051	-.18042	-.04132
4.003	4.085	1.25013	.01272	.00673	.00600	-.00630	.02554	-.10515	-.17923	-.04624
	GRADIENT	-.00004	-.00041	-.00024	-.00017	.00018	-.00092	.00383	.00014	.00077

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0050) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 810/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.004	-7.968	1.29928	.01713	.00953	.00760	-.00800	.03620	-.15098	-.20835	-.12057
-4.014	-3.918	1.30064	.01538	.00844	.00695	-.00731	.03205	-.13293	-.18789	-.08264
-4.002	.000	1.29977	.01389	.00756	.00633	-.00665	.02873	-.11888	-.19042	-.05552
-4.006	4.088	1.29993	.01263	.00680	.00583	-.00613	.02582	-.10727	-.18862	-.04584
	GRADIENT	-.00009	-.00034	-.00020	-.00014	.00015	-.00078	.00320	-.00009	.00458

RUN NO. 811/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.093	1.29915	.01462	.00796	.00665	-.00700	.03024	-.12737	-.20189	-.13859
.000	-4.075	1.30079	.01379	.00738	.00641	-.00673	.02805	-.11724	-.18986	-.08615
-.001	-.027	1.29965	.01335	.00710	.00625	-.00656	.02697	-.11208	-.19143	-.06670
-.002	4.087	1.29970	.01226	.00647	.00578	-.00608	.02458	-.10184	-.18106	-.06247
	GRADIENT	-.00013	-.00019	-.00011	-.00008	.00008	-.00042	.00189	.00108	.00290

RUN NO. 812/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.073	1.29901	.01818	.00987	.00832	-.00874	.03747	-.15657	-.20031	-.08317
3.993	-4.071	1.30062	.01680	.00907	.00772	-.00812	.03446	-.14268	-.18404	-.05042
3.991	.016	1.29991	.01497	.00804	.00693	-.00729	.03052	-.12637	-.18295	-.03907
4.000	4.084	1.29984	.01312	.00693	.00620	-.00651	.02631	-.10816	-.18631	-.04946
	GRADIENT	-.00010	-.00045	-.00026	-.00019	.00020	-.00100	.00423	-.00028	.00012

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.	806/ 0	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	CNB	CNBF	CLMB	CAB
-4.003	-7.961	.01626	.00721	-.00759	.03437
-4.017	-3.929	.01539	.00695	-.00731	.03205
-4.009	-.019	.01378	.00629	-.00662	.02845
-3.995	4.000	.01254	.00580	-.00609	.02559
	GRADIENT	-.00036	-.00014	.00015	-.00081
		-.00005			.00016
					.00340
					.00384

RUN NO.	807/ 0	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	CNB	CNBF	CLMB	CAB
.001	-8.089	.01414	.00639	-.00672	.02943
-.000	-4.039	.01335	.00616	-.00647	.02732
-.001	-.037	.01297	.00606	-.00637	.02626
-.002	3.957	.01227	.00578	-.00608	.02465
	GRADIENT	-.00013	-.00005	.00005	-.00033
					.00154
					.00066
					.00304

RUN NO.	808/ 0	RN/L = 2.50	GRADIENT	INTERVAL = -5.00/	5.00
BETA	ALPHA	CNB	CNBF	CLMB	CAB
3.991	-7.929	.01782	.00818	-.00860	.03661
4.008	-4.031	.01663	.00762	-.00801	.03422
3.989	.009	.01505	.00695	-.00731	.03075
3.998	4.073	.01280	.00603	-.00633	.02572
	GRADIENT	-.00047	-.00020	.00021	-.00105
					.00452
					.00015
					.00045

CPAO	CPAT	CPAS
-.14362	-.20838	-.12236
-.13276	-.18405	-.07866
-.11733	-.18377	-.05511
-.10575	-.18281	-.04811
.00340	.00016	.00384

CPAO	CPAT	CPAS
-.12398	-.19691	-.13640
-.11433	-.18251	-.08195
-.10886	-.18586	-.06054
-.10202	-.17726	-.05763
.00154	.00066	.00304

CPAO	CPAT	CPAS
-.15376	-.19715	-.07938
-.14221	-.18005	-.04914
-.12727	-.17647	-.04014
-.10559	-.18129	-.05278
.00452	-.00015	-.00045

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0053) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1373/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.008	-7.975	1.24917	.00715	.00412	.00303	-.00319	.01564	-.06397	-.11343	-.01699
-4.020	-3.952	1.25032	.00593	.00318	.00276	-.00290	.01206	-.04896	-.09969	.01597
-4.002	.003	1.25002	.00484	.00238	.00246	-.00258	.00905	-.03664	-.10915	.05801
-3.988	4.000	1.24968	.00392	.00187	.00205	-.00214	.00712	-.02924	-.11734	.09066
	GRADIENT	-.00008	-.00025	-.00016	-.00009	.00010	-.00062	.00248	-.00222	.00939

RUN NO. 1374/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.074	1.24948	.00560	.00302	.00258	-.00272	.01145	-.04787	-.10079	-.01167
.001	-5.161	1.25033	.00546	.00281	.00265	-.00278	.01066	-.04449	-.10467	.00971
.000	-4.073	1.25001	.00525	.00263	.00262	-.00274	.00999	-.04183	-.10307	.02498
-.001	-.044	1.25022	.00500	.00245	.00254	-.00266	.00932	-.03868	-.10432	.05889
-.002	4.080	1.24974	.00362	.00172	.00190	-.00199	.00652	-.02658	-.10792	.05107
	GRADIENT	-.00003	-.00020	-.00011	-.00009	.00009	-.00043	.00188	-.00059	.00318

RUN NO. 1375/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.090	1.24902	.00809	.00435	.00374	-.00393	.01652	-.06766	-.09479	-.00449
4.001	-4.026	1.25022	.00628	.00332	.00296	-.00311	.01263	-.05171	-.08813	.03145
3.994	.016	1.25030	.00501	.00259	.00243	-.00255	.00983	-.04059	-.09257	.04635
4.009	4.080	1.25003	.00465	.00236	.00229	-.00240	.00898	-.03668	-.10992	.04759
	GRADIENT	-.00002	-.00020	-.00012	-.00008	.00009	-.00045	.00185	-.00269	.00199

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0054) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.007	-7.969	1.29939	.00794	.00456	.00338	-.00357	.01730	-.07052	-.11870	-.02128
-4.013	-3.936	1.30059	.00662	.00359	.00303	-.00318	.01363	-.05491	-.10256	.01400
-4.006	-.005	1.29963	.00535	.00267	.00269	-.00281	.01014	-.04088	-.11276	.05612
-3.990	3.990	1.29959	.00475	.00236	.00239	-.00251	.00895	-.03674	-.12304	.08405
	GRADIENT	-.00013	-.00024	-.00016	-.00008	.00009	-.00059	.00229	-.00258	.00883

RUN NO. 1378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.071	1.29988	.00616	.00333	.00284	-.00298	.01264	-.05235	-.10617	-.01664
.000	-4.056	1.30004	.00598	.00308	.00289	-.00303	.01172	-.04886	-.10936	.02210
-.001	-.039	1.29969	.00580	.00290	.00290	-.00304	.01100	-.04537	-.11196	.05396
-.002	3.972	1.29992	.00441	.00218	.00222	-.00233	.00830	-.03382	-.11397	.04626
	GRADIENT	-.00001	-.00020	-.00011	-.00008	.00009	-.00043	.00187	-.00057	.00301

RUN NO. 1379/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.074	1.29933	.00910	.00493	.00417	-.00439	.01872	-.07642	-.09328	-.00699
3.999	-4.101	1.30018	.00718	.00384	.00334	-.00351	.01458	-.05979	-.09208	.02845
3.990	.017	1.29996	.00563	.00297	.00266	-.00280	.01128	-.04670	-.09535	.04465
4.007	4.088	1.29960	.00524	.00271	.00253	-.00265	.01030	-.04205	-.11618	.04102
	GRADIENT	-.00007	-.00024	-.00014	-.00010	.00010	-.00052	.00217	-.00294	.00154

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1380/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.008	-7.978	1.34949	.00837	.00482	.00356	-.00375	.01830	-.07483	-.11644	-.02185
-4.016	-3.948	1.34998	.00716	.00387	.00329	-.00346	.01470	-.05937	-.10279	.01463
-4.009	.022	1.35009	.00598	.00299	.00299	-.00314	.01136	-.04568	-.11114	.05266
-4.009	4.090	1.35005	.00534	.00267	.00266	-.00279	.01016	-.04148	-.12304	.07962
	GRADIENT	.00001	-.00023	-.00015	-.00008	.00008	-.00056	.00222	-.00252	.00808

RUN NO. 1381/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.014	1.34958	.00657	.00358	.00299	-.00315	.01359	-.05620	-.11074	-.01537
.000	-4.093	1.35053	.00640	.00328	.00312	-.00327	.01247	-.05177	-.10865	.02226
.001	-.049	1.34985	.00601	.00302	.00299	-.00314	.01146	-.04710	-.11575	.05445
-.002	3.971	1.34944	.00498	.00252	.00247	-.00259	.00956	-.03900	-.11589	.04370
	GRADIENT	-.00014	-.00018	-.00010	-.00008	.00009	-.00036	.00158	-.00090	.00266

RUN NO. 1382/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.991	-8.041	1.34961	.00884	.00482	.00402	-.00423	.01831	-.07494	-.10270	-.00586
3.999	-4.026	1.35014	.00769	.00410	.00359	-.00377	.01556	-.06397	-.09202	.02798
3.988	.018	1.35003	.00646	.00342	.00304	-.00320	.01299	-.05375	-.09695	.03932
4.000	4.070	1.34998	.00577	.00298	.00279	-.00293	.01130	-.04602	-.11566	.03514
	GRADIENT	-.00002	-.00024	-.00014	-.00010	.00010	-.00053	.00222	-.00292	.00088

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0056) (13 APR 92)

REFERENCE DATA

SREF =	2690.0000	SQ. FT.	XMRP =	976.0000	IN. XT	MACH =	1.400	IEABOX =	.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YT	IB-ELV =	10.000	OB-ELV =	5.000
BREF =	936.6800	INCHES	ZMRP =	400.0000	IN. ZT				
SCALE =	.0300								

PARAMETRIC DATA

	RUN NO.	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
				RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		
ALPHA										
-7.963		1.39971	.00840	.00477	.00364	-.00383	.01811	-.07414	-.11882	-.02434
-3.937		1.39997	.00728	.00394	.00334	-.00351	.01495	-.06042	-.10450	.01398
-.017		1.40013	.00613	.00308	.00305	-.00320	.01170	-.04709	-.11356	.05062
3.998		1.40017	.00567	.00284	.00284	-.00297	.01078	-.04370	-.12432	.07344
GRADIENT		.00003	-.00020	-.00014	-.00006	.00007	-.00053	.00210	-.00250	.00748

ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-8.089	1.39950	.00690	.00373	.00317	-.00334	.01417	-.05824	-.11360	-.01482
-4.859	1.39996	.00694	.00358	.00336	-.00353	.01359	-.05658	-.11109	-.01895
-4.066	1.39984	.00690	.00352	.00337	-.00354	.01338	-.05566	-.11042	-.02715
-.046	1.39962	.00657	.00349	.00328	-.00344	.01249	-.05135	-.12008	.05695
3.964	1.39997	.00554	.00278	.00275	-.00289	.01057	-.04306	-.11785	.05161
GRADIENT	-.00000	-.00015	-.00009	-.00007	.00007	-.00033	.00150	-.00097	.00389

ALPHA	RUN NO.	1387/ O	RN/L	=	2.50	GRADIENT	INTERVAL	=	-5.00/	5.00	CPAO	CPAT	CPAS
		MACH	CNB		CNBO	CNBF	CLMB		CAB				
-8.081		1.39958	.00867		.00477	.00390	-.00411		.01811		-.07412	-.10610	-.00793
-4.012		1.40017	.00786		.00421	.00366	-.00384		.01598		-.06573	-.03297	-.02762
-.006		1.39970	.00646		.00340	.00303	-.00319		.01301		-.05380	-.09830	.03858
4.074		1.39973	.00616		.00318	.00298	-.00313		.01208		-.04928	-.11855	.03451
GRADIENT		-.00005	-.00021		-.00013	-.00008	-.00009		-.00048		-.00203	-.00317	.00085

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.3

(TC0057) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1388/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.933	-7.922	1.54966	.00770	.00438	.00332	-.00350	.01663	-.06855	-.12779	-.04551
-3.921	-3.964	1.54946	.00825	.00442	.00382	-.00402	.01680	-.06845	-.11364	.00570
-3.905	.004	1.54901	.00670	.00352	.00318	-.00334	.01336	-.05424	-.11694	.03980
-3.907	3.943	1.54899	.00670	.00340	.00329	-.00345	.01293	-.05201	-.12506	.05891
	GRADIENT	-.00006	-.00020	-.00013	-.00007	.00007	-.00049	.00208	-.00144	.00673

RUN NO. 1389/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.978	1.54967	.00771	.00421	.00350	-.00368	.01598	-.06591	-.12492	-.02617
.001	-3.969	1.54929	.00771	.00399	.00372	-.00391	.01516	-.06279	-.11525	.02146
-.001	.062	1.54880	.00781	.00401	.00380	-.00399	.01523	-.06227	-.12728	.04145
-.002	4.075	1.54937	.00674	.00345	.00329	-.00345	.01310	-.05338	-.11743	.05073
	GRADIENT	.00001	-.00012	-.00007	-.00005	.00006	-.00026	.00117	-.00027	.00364

RUN NO. 1390/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.046	-8.123	1.54831	.00897	.00492	.00405	-.00427	.01867	-.07710	-.11055	-.01423
4.072	-4.166	1.55072	.00849	.00465	.00384	-.00403	.01766	-.07287	-.09570	.01660
4.092	.019	1.54939	.00754	.00408	.00346	-.00363	.01550	-.06409	-.10242	.02940
4.072	4.148	1.54893	.00733	.00388	.00345	-.00362	.01475	-.06033	-.12746	.01924
	GRADIENT	-.00022	-.00014	-.00009	-.00005	.00005	-.00035	.00151	-.00382	.00032

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

PARAMETRIC DATA

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.021	-8.033	1.39899	.00753	.00434	.00319	-.00336	.01650	-.06802	-.11819	-.03405
-3.927	-4.004	1.40055	.00704	.00385	.00319	-.00335	.01463	-.05945	-.09724	.00012
-3.847	-.080	1.39972	.00568	.00284	.00284	-.00298	.01078	-.04299	-.10699	.03602
-3.979	3.956	1.39978	.00554	.00273	.00280	-.00294	.01038	-.04179	-.12284	.07048
	GRADIENT	-.00010	-.00019	-.00014	-.00005	.00005	-.00053	.00221	-.00322	.00884

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-8.107	1.39931	.00639	.00342	.00297	-.00312	.01299	-.05348	-.11326	-.01367
-.003	-4.080	1.39999	.00671	.00346	.00326	-.00342	.01313	-.05473	-.10813	.02541
-.002	-.119	1.39979	.00622	.00313	.00309	-.00324	.01189	-.04897	-.11365	.05540
-.000	4.005	1.39939	.00543	.00276	.00267	-.00280	.01047	-.04278	-.11789	.05604
	GRADIENT	-.00007	-.00016	-.00009	-.00007	.00008	-.00033	.00148	-.00121	.00376

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.029	-8.059	1.39983	.00846	.00468	.00378	-.00398	.01778	-.07341	-.10167	-.00841
3.911	-3.989	1.40069	.00744	.00399	.00345	-.00363	.01516	-.06263	-.08996	.02731
3.856	-.041	1.40022	.00607	.00321	.00286	-.00300	.01221	-.05073	-.09320	.03930
3.978	3.939	1.40014	.00583	.00302	.00281	-.00295	.01147	-.04680	-.11463	.03285
	GRADIENT	-.00007	-.00020	-.00012	-.00008	.00008	-.00046	.00200	-.00311	.00070

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.114	-8.140	1.54801	.00648	.00366	.00282	-.00297	.01392	-.05770	-.11734	-.04672
-4.009	-4.086	1.54934	.00738	.00398	.00340	-.00358	.01512	-.06171	-.10328	.00248
-3.936	-.068	1.54988	.00556	.00280	.00276	-.00290	.01063	-.04283	-.10947	.03474
-4.044	4.027	1.54886	.00590	.00291	.00299	-.00313	.01105	-.04380	-.12000	.06198
	GRADIENT	-.00006	-.00018	-.00013	-.00005	.00005	-.00050	.00220	-.00206	.00733

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.019	1.54825	.00692	.00375	.00317	-.00333	.01424	-.05897	-.11816	-.02125
-.003	-3.971	1.54989	.00690	.00354	.00336	-.00353	.01345	-.05585	-.10782	.02318
-.002	.055	1.54902	.00682	.00345	.00337	-.00353	.01312	-.05395	-.11682	.05401
.000	4.100	1.54851	.00598	.00302	.00296	-.00311	.01145	-.04655	-.11101	.06218
	GRADIENT	-.00017	-.00011	-.00007	-.00005	.00005	-.00025	.00115	-.00039	.00483

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.087	-8.146	1.54827	.00817	.00447	.00370	-.00389	.01699	-.07054	-.10424	-.00927
4.003	-4.059	1.54999	.00757	.00409	.00348	-.00366	.01553	-.06454	-.08834	.02089
3.931	-.022	1.54962	.00626	.00335	.00291	-.00306	.01272	-.05275	-.09070	.03498
4.047	4.017	1.54885	.00621	.00326	.00296	-.00310	.01237	-.05064	-.12042	.02420
	GRADIENT	-.00014	-.00017	-.00010	-.00007	.00007	-.00039	.00172	-.00397	.00041

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0060) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1352/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.903	.59916	.01801	.01059	.00742	-.00783	.04023	-.17262	-.24537	-.20413
-4.007	-3.999	.60043	.01553	.00918	.00635	-.00671	.03485	-.15007	-.21957	-.18931
-4.004	.059	.60024	.01312	.00791	.00521	-.00551	.03004	-.12856	-.20999	-.18230
-3.998	4.001	.60035	.01149	.00720	.00429	-.00455	.02735	-.11831	-.18983	-.15611
	GRADIENT	-.00001	-.00051	-.00025	-.00026	.00027	-.00094	.00398	.00371	.00414

RUN NO. 1353/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.912	.59934	.01431	.00855	.00576	-.00609	.03246	-.14031	-.23435	-.22028
.000	-4.023	.60044	.01182	.00717	.00465	-.00492	.02724	-.11824	-.21455	-.17786
-.000	.109	.60031	.00980	.00596	.00384	-.00406	.02264	-.09912	-.20403	-.15997
-.001	3.982	.60067	.00829	.00521	.00308	-.00326	.01979	-.08502	-.18726	-.14081
	GRADIENT	.00003	-.00044	-.00025	-.00020	.00021	-.00093	.00416	.00340	.00463

RUN NO. 1354/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.090	.59871	.01743	.01019	.00725	-.00765	.03869	-.16933	-.24807	-.16420
3.995	-3.991	.60028	.01481	.00880	.00601	-.00635	.03342	-.14506	-.22315	-.14140
3.989	-.032	.60058	.01219	.00731	.00488	-.00516	.02778	-.11968	-.21215	-.13368
3.997	3.963	.60010	.01010	.00593	.00416	-.00440	.02254	-.09806	-.19752	-.13592
	GRADIENT	-.00002	-.00059	-.00036	-.00023	.00025	-.00137	.00591	.00322	.00069

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0061) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1356/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.009	-8.051	.89923	.01794	.01016	.00778	-.00820	.03860	-.16234	-.22358	-.15791
-4.004	-3.999	.90026	.01396	.00796	.00599	-.00632	.03025	-.12741	-.19634	-.13645
-4.000	.060	.89963	.01144	.00662	.00481	-.00508	.02516	-.10661	-.17874	-.12404
-3.998	3.998	.89965	.00986	.00593	.00393	-.00415	.02253	-.09627	-.15836	-.11686
	GRADIENT	-.00008	-.00051	-.00025	-.00026	.00027	-.00097	.00390	.00475	.00245

RUN NO. 1357/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.061	.89955	.01415	.00823	.00592	-.00625	.03124	-.13366	-.21536	-.15111
.000	-4.042	.89987	.01147	.00668	.00479	-.00505	.02536	-.10895	-.18979	-.11752
.000	-.048	.90013	.00916	.00524	.00392	-.00414	.01990	-.08723	-.17069	-.09337
-.001	3.960	.89955	.00719	.00408	.00310	-.00327	.01551	-.06948	-.15657	-.10065
	GRADIENT	-.00004	-.00053	-.00032	-.00021	.00022	-.00123	.00493	.00415	.00211

RUN NO. 1358/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = .000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-7.971	.89972	.01754	.01016	.00738	-.00778	.03860	-.16375	-.22553	-.10624
3.993	-4.068	.90042	.01395	.00822	.00573	-.00605	.03123	-.13227	-.20137	-.09139
3.979	.029	.90025	.01134	.00665	.00469	-.00495	.02526	-.10784	-.18538	-.09329
3.996	3.997	.89976	.00973	.00571	.00402	-.00424	.02169	-.09254	-.16302	-.09476
	GRADIENT	-.00008	-.00052	-.00031	-.00021	.00022	-.00118	.00493	.00475	.00042

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0062) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.100						IEABOX = .000
IB-ELV	=	10.000						OB-ELV = 5.000

PARAMETRIC DATA

ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-8.007	1.09916	.02412	.01338	.01073	-.01130	.05084	-.21110	-.26709	-.18248
-4.008	1.09967	.02073	.01151	.00921	-.00970	.04373	-.18213	-.24733	-.15894
.020	1.10022	.01898	.01048	.00850	-.00895	.03981	-.16570	-.24190	-.13779
4.001	1.09970	.01747	.00953	.00795	-.00836	.03619	-.14913	-.23857	-.10783
GRADIENT	.00000	-.00041	-.00025	-.00016	.00017	-.00094	.00412	.00109	.00638

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.001	1.09342	.02066	.01130	.00936	-.00985	.04291	-.18128	-.25975	-.18938
.000	-4.064	1.10109	.01853	.01007	.00846	-.00890	.03825	-.16067	-.24398	-.14499
-.001	-.055	1.10055	.01789	.00968	.00821	-.00863	.03675	-.15277	-.24300	-.12084
-.002	3.960	1.09981	.01640	.00878	.00762	-.00801	.03335	-.13855	-.22916	-.11940
	GRADIENT	-.00016	-.00027	-.00016	-.00011	.00011	-.00061	.00276	.00185	.00319

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-7.972	1.09817	.02579	.01394	.01184	-.01245	.05297	-.22007	-.26248	-.13957
4.001	-3.995	1.10089	.02135	.01156	.00979	-.01030	.04391	-.18136	-.24453	-.10292
3.990	.023	1.10103	.01969	.01062	.00907	-.00953	.04034	-.16686	-.23842	-.09144
4.000	4.010	1.09801	.01833	.00994	.00840	-.00883	.03775	-.15622	-.23805	-.09758
GRADIENT		-.00036	-.00038	-.00020	-.00017	.00018	-.00077	.00314	.00081	.00067

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0063) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1362/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.006	-7.975	1.14948	.01861	.01042	.00819	-.00862	.03958	-.16430	-.21468	-.12699
-4.012	-3.964	1.15182	.01600	.00894	.00705	-.00743	.03396	-.14102	-.19904	-.10840
-4.002	.018	1.15057	.01473	.00818	.00655	-.00689	.03108	-.12920	-.19697	-.08063
-3.993	4.001	1.14971	.01355	.00751	.00605	-.00637	.02851	-.11752	-.19591	-.06224
	GRADIENT	-.00027	-.00031	-.00018	-.00013	.00013	-.00068	.00295	.00039	.00579

RUN NO. 1363/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-8.054	1.14920	.01580	.00866	.00714	-.00751	.03289	-.13897	-.21143	-.13580
-0.000	-4.036	1.15101	.01413	.00768	.00646	-.00679	.02915	-.12246	-.19966	-.09585
-0.001	-.017	1.15009	.01370	.00738	.00632	-.00664	.02805	-.11625	-.20236	-.07541
-0.002	3.970	1.14964	.01234	.00663	.00571	-.00600	.02517	-.10426	-.18707	-.08485
	GRADIENT	-.00017	-.00022	-.00013	-.00009	.00010	-.00050	.00227	.00157	.00138

RUN NO. 1364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.081	1.14705	.01949	.01056	.00893	-.00939	.04012	-.16627	-.20983	-.08929
3.994	-4.080	1.15099	.01678	.00908	.00770	-.00810	.03450	-.14213	-.19395	-.05617
3.989	.009	1.15071	.01545	.00830	.00715	-.00751	.03153	-.13013	-.18998	-.04503
4.001	4.047	1.15035	.01392	.00752	.00640	-.00673	.02857	-.11747	-.18909	-.05242
	GRADIENT	-.00008	-.00035	-.00019	-.00016	.00017	-.00073	.00303	.00060	.00047

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0064) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP	=	976,0000	IN.	XT
YMRP	=	,0000	IN.	YT
ZMRP	=	400,0000	IN.	ZT

MACH	=	1.250	IEABOX	=	.000
IB-ELV	=	10.000	OB-ELV	=	5.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO
-4.006	-7.974	1.24923	.01748	.00981	.00767	-.00808	.03724	-.1549
-4.018	-3.946	1.25056	.01566	.00866	.00700	-.00737	.03289	-.1366
-4.008	-.003	1.25014	.01418	.00779	.00639	-.00672	.02959	-.1226
-3.989	4.007	1.24947	.01285	.00699	.00586	-.00616	.02554	-.1103
GRADIENT		-.00014	-.00035	-.00021	-.00014	.00015	-.00080	.00033
RUN NO.	1365/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00		

[illegible][illegible]

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 722/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-7.897	.59891	.02611	.01373	.01238	-.01300	.05215	-.2221	-.38735	-.38408
-4.001	-4.012	.59921	.02469	.01293	.01176	-.01235	.04911	-.20889	-.35503	-.37087
-4.008	.105	.59980	.02383	.01251	.01133	-.01189	.04750	-.20252	-.34590	-.35528
-4.002	4.002	.60008	.02289	.01197	.01092	-.01147	.04546	-.19439	-.33625	-.32881
	GRADIENT	.00011	-.00022	-.00012	-.00010	.00011	-.00045	.00181	.00234	.00523

RUN NO. 723/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.930	.59889	.02408	.01261	.01147	-.01204	.04789	-.20466	-.36722	-.35912
.000	-3.934	.60097	.02256	.01181	.01076	-.01130	.04484	-.19134	-.33567	-.33017
.000	.059	.60059	.02205	.01156	.01049	-.01102	.04390	-.18729	-.33243	-.31840
-.001	4.052	.60080	.02082	.01086	.00996	-.01046	.04125	-.17630	-.32482	-.29893
	GRADIENT	-.00002	-.00022	-.00012	-.00010	.00011	-.00045	.00188	.00136	.00391

RUN NO. 724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.042	.59911	.02654	.01381	.01273	-.01336	.05245	-.22408	-.38590	-.31184
3.996	-4.006	.60096	.02464	.01287	.01178	-.01236	.04887	-.20825	-.35029	-.28116
3.994	-.045	.60064	.02383	.01246	.01137	-.01194	.04734	-.20254	-.34673	-.27019
4.000	3.967	.60002	.02319	.01202	.01116	-.01172	.04567	-.19617	-.34119	-.27174
	GRADIENT	-.00012	-.00018	-.00011	-.00008	.00008	-.00040	.00152	.00114	.00118

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0066) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.007	.79974	.02692	.01426	.01266	-.01330	.05416	-.22961	-.38714	-.36694
-4.003	-3.963	.80049	.02508	.01330	.01178	-.01237	.05052	-.21374	-.35272	-.36511
-4.004	.041	.80014	.02415	.01281	.01134	-.01191	.04864	-.20581	-.33882	-.35577
-3.998	4.055	.79949	.02371	.01261	.01110	-.01166	.04791	-.20283	-.32513	-.34858
	GRADIENT	-.00012	-.00017	-.00009	-.00008	.00009	-.00033	.00136	.00344	.00206

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.026	.80000	.02554	.01346	.01208	-.01269	.05111	-.21743	-.36967	-.35756
.000	-4.023	.79997	.02399	.01269	.01130	-.01187	.04820	-.20482	-.33781	-.32488
.000	.084	.79977	.02291	.01211	.01080	-.01135	.04601	-.19497	-.32389	-.31207
-.001	4.086	.79902	.02172	.01145	.01027	-.01078	.04351	-.18460	-.31366	-.30620
	GRADIENT	-.00012	-.00028	-.00015	-.00013	.00013	-.00058	.00249	.00298	.00231

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.005	.80002	.02728	.01439	.01289	-.01354	.05467	-.23184	-.38647	-.29442
3.997	-4.039	.80037	.02587	.01366	.01221	-.01282	.05189	-.21979	-.35274	-.26873
3.985	-.032	.80004	.02459	.01299	.01160	-.01219	.04933	-.20886	-.33962	-.26683
3.995	3.986	.79985	.02385	.01263	.01122	-.01179	.04796	-.20298	-.31865	-.27330
	GRADIENT	-.00007	-.00025	-.00013	-.00012	.00013	-.00049	.00209	.00425	-.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0067) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 728/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.055	.89927	.02887	.01525	.01362	-.01430	.05794	-.24501	-.38824	-.35008
-4.002	-3.990	.90007	.02670	.01413	.01257	-.01321	.05367	-.22673	-.36053	-.35983
-4.001	.008	.90024	.02558	.01356	.01202	-.01263	.05150	-.21725	-.34056	-.35719
-3.991	3.994	.90003	.02472	.01310	.01161	-.01220	.04978	-.21077	-.32579	-.35364
	GRADIENT	-.00000	-.00025	-.00013	-.00012	.00013	-.00049	.00200	.00435	.00078
RUN NO. 729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.034	.90011	.02763	.01461	.01302	-.01367	.05551	-.23531	-.37558	-.34185
.000	-4.535	.90015	.02534	.01340	.01194	-.01254	.05091	-.21596	-.34067	-.32331
.000	-3.900	.90007	.02514	.01334	.01180	-.01240	.05066	-.21491	-.33759	-.32023
-.000	.090	.89954	.02375	.01258	.01117	-.01173	.04780	-.20278	-.32095	-.30794
.002	3.967	.89950	.02263	.01198	.01065	-.01119	.04552	-.19291	-.30772	-.32008
	GRADIENT	-.00008	-.00032	-.00017	-.00015	.00016	-.00065	.00277	.00388	.00055
RUN NO. 730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-7.984	.89977	.02976	.01585	.01392	-.01462	.06019	-.25472	-.38102	-.29936
3.998	-4.048	.89999	.02700	.01429	.01271	-.01335	.05427	-.22933	-.35873	-.27572
3.980	.049	.90009	.02548	.01352	.01196	-.01257	.05136	-.21740	-.33849	-.27853
3.997	4.005	.89971	.02475	.01320	.01155	-.01214	.05012	-.21217	-.32007	-.28862
	GRADIENT	-.00003	-.00028	-.00014	-.00014	.00015	-.00052	.00214	.00480	-.00160

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0069) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.997	-7.964	1.04957	.03432	.01824	.01608	-.01689	.06929	-.29149	-.41215	-.46114
-4.007	-3.961	1.05060	.03325	.01800	.01525	-.01603	.06838	-.28841	-.38345	-.46744
-4.002	-.006	1.05018	.03200	.01737	.01463	-.01538	.06598	-.27882	-.37298	-.46334
-3.999	4.084	1.05011	.03076	.01678	.01398	-.01471	.06374	-.26904	-.36440	-.46594
	GRADIENT	-.00006	-.00031	-.00015	-.00016	.00016	-.00058	.00241	.00237	.00018

RUN NO. 736/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.037	1.05112	.03301	.01766	.01535	-.01613	.06709	-.28391	-.40409	-.46135
-.000	-4.035	1.05064	.03130	.01684	.01446	-.01520	.06398	-.27110	-.37930	-.43612
-.001	-.023	1.04965	.03028	.01635	.01394	-.01465	.06209	-.26317	-.37004	-.41873
-.002	3.980	1.04968	.03011	.01625	.01385	-.01456	.06173	-.26194	-.36222	-.43068
	GRADIENT	-.00012	-.00015	-.00007	-.00008	.00008	-.00028	.00114	.00213	.00068

RUN NO. 737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.068	1.04979	.03522	.01911	.01611	-.01694	.07260	-.30720	-.40453	-.38288
3.997	-4.012	1.05097	.03446	.01864	.01582	-.01663	.07080	-.29837	-.39261	-.36988
3.994	.019	1.05033	.03281	.01776	.01505	-.01582	.06744	-.28373	-.37699	-.36099
3.995	3.989	1.04978	.03010	.01620	.01390	-.01461	.06154	-.25882	-.36892	-.37144
	GRADIENT	-.00015	-.00054	-.00030	-.00024	.00025	-.00116	.00494	.00296	-.00019

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0070) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.997	-8.095	1.09720	.04051	.02183	.01868	-.01964	.08293	-.34887	-.45713	-.55154
-4.011	-3.961	1.10108	.03846	.02080	.01766	-.01856	.07901	-.33179	-.42180	-.53140
-4.001	-.000	1.10037	.03677	.01995	.01682	-.01769	.07576	-.31858	-.40784	-.52064
-3.997	4.095	1.09979	.03494	.01908	.01587	-.01669	.07246	-.30442	-.38988	-.51191
	GRADIENT	-.00016	-.00044	-.00021	-.00022	.00023	-.00081	.00340	.00396	.00242

RUN NO. 739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.044	1.10170	.03808	.02054	.01753	-.01843	.07802	-.32842	-.43771	-.51866
.000	-4.739	1.10104	.03653	.01977	.01677	-.01763	.07507	-.31608	-.41426	-.49325
.000	-4.041	1.10007	.03631	.01967	.01664	-.01750	.07470	-.31460	-.41074	-.48814
-.001	-.026	1.10028	.03541	.01926	.01614	-.01698	.07317	-.30822	-.39820	-.47542
-.002	3.968	1.09914	.03510	.01918	.01591	-.01674	.07286	-.30632	-.38846	-.48096
	GRADIENT	-.00016	-.00017	-.00007	-.00010	.00010	-.00026	.00114	.00293	.00144

RUN NO. 740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.069	1.10038	.04064	.02208	.01856	-.01952	.08385	-.35346	-.45090	-.44784
3.997	-4.075	1.10049	.03883	.02088	.01795	-.01886	.07931	-.33355	-.42890	-.44187
3.996	.013	1.10051	.03696	.01988	.01708	-.01795	.07550	-.31719	-.40714	-.42025
4.003	4.061	1.09966	.03452	.01854	.01598	-.01679	.07043	-.29582	-.39577	-.43223
	GRADIENT	-.00010	-.00053	-.00029	-.00024	.00025	-.00109	.00464	.00407	.00119

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 741/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.150		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.996	-7.961	1.14755	.03439	.01849	.01590	-.01671	.07024	-.29568	-.39967	-.48822
-4.014	-3.954	1.15084	.03282	.01775	.01508	-.01585	.06740	-.28332	-.37382	-.46835
-4.002	-.009	1.14981	.03217	.01743	.01474	-.01550	.06622	-.27831	-.36359	-.46084
-3.989	4.006	1.14979	.03156	.01716	.01440	-.01514	.06517	-.27348	-.35255	-.45219
	GRADIENT	-.00013	-.00016	-.00007	-.00009	-.00009	-.00028	.00124	.00267	.00203
RUN NO. 742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.060	1.15041	.03229	.01739	.01490	-.01567	.06603	-.27813	-.38601	-.46244
-.000	-4.055	1.15170	.03082	.01665	.01417	-.01490	.06323	-.26630	-.36324	-.43137
-.001	-.038	1.15042	.03054	.01660	.01394	-.01466	.06306	-.26570	-.35598	-.42204
-.002	4.079	1.14856	.03093	.01694	.01399	-.01472	.06434	-.27034	-.34676	-.42997
	GRADIENT	-.00039	.00001	.00004	-.00002	.00002	.00014	-.00050	.00203	.00016
RUN NO. 743/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.045	1.14790	.03639	.01970	.01669	-.01755	.07481	-.31522	-.40670	-.40068
4.004	-4.022	1.15203	.03349	.01803	.01546	-.01626	.06847	-.28806	-.37784	-.37848
3.995	.013	1.15113	.03243	.01745	.01498	-.01575	.06626	-.27853	-.36372	-.36746
4.004	4.093	1.14956	.03066	.01645	.01421	-.01493	.06248	-.26245	-.35824	-.38415
	GRADIENT	-.00031	-.00035	-.00019	-.00015	.00016	-.00074	.00316	.00241	-.00071

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-7.967	1.24944	.03024	.01608	.01416	-.01488	.06108	-.25745	-.37112	-.45265
-4.015	-3.945	1.25010	.02930	.01568	.01362	-.01431	.05958	-.25052	-.35003	-.43638
-3.998	-.005	1.25041	.02848	.01532	.01315	-.01383	.05821	-.24459	-.33262	-.42813
-3.988	3.995	1.24988	.02779	.01500	.01280	-.01345	.05697	-.23930	-.32423	-.41902
	GRADIENT	-.00003	-.00019	-.00009	-.00010	.00011	-.00033	.00141	.00325	.00219

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.038	1.25007	.02838	.01516	.01321	-.01389	.05760	-.24278	-.35329	-.42237
.001	-5.156	1.25035	.02755	.01476	.01279	-.01344	.05605	-.23603	-.33639	-.40990
.000	-4.030	1.25005	.02717	.01459	.01258	-.01322	.05542	-.23335	-.33145	-.40224
-.001	-.018	1.24963	.02701	.01462	.01239	-.01303	.05552	-.23409	-.32569	-.38911
-.002	3.974	1.24971	.02760	.01503	.01258	-.01323	.05708	-.23986	-.31448	-.39926
	GRADIENT	-.00004	.00005	.00005	-.00000	-.00000	.00021	-.00081	.00212	.00038

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.995	-8.087	1.24929	.03243	.01740	.01503	-.01579	.06610	-.27899	-.37574	-.37164
3.999	-4.108	1.25015	.03028	.01620	.01408	-.01480	.06154	-.25962	-.35409	-.35960
3.995	.016	1.25009	.02852	.01528	.01324	-.01392	.05803	-.24433	-.33150	-.35257
4.004	4.083	1.24914	.02797	.01499	.01299	-.01365	.05693	-.24005	-.33145	-.36303
	GRADIENT	-.00012	-.00028	-.00015	-.00013	.00014	-.00056	.00239	.00277	-.00041

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0074) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1431/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-7.958	1.29979	.02928	.01562	.01366	-.01435	.05933	-.25034	-.36484	-.43677
-4.020	-3.942	1.30005	.02827	.01513	.01314	-.01380	.05747	-.24198	-.34251	-.42010
-3.997	-.013	1.29996	.02759	.01484	.01275	-.01340	.05638	-.23690	-.32557	-.41031
-3.983	3.996	1.29974	.02728	.01471	.01256	-.01321	.05589	-.23484	-.31529	-.40236
	GRADIENT	-.00004	-.00012	-.00005	-.00007	.00008	-.00020	.00090	.00343	.00223

RUN NO. 1432/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.063	1.29976	.02774	.01484	.01290	-.01356	.05636	-.23760	-.34576	-.41487
.000	-4.039	1.30001	.02683	.01444	.01240	-.01303	.05484	-.23093	-.32484	-.39638
-.000	-.022	1.30009	.02671	.01440	.01231	-.01294	.05469	-.23068	-.31847	-.38212
-.002	3.970	1.30016	.02714	.01475	.01239	-.01303	.05603	-.23551	-.30656	-.39293
	GRADIENT	.00002	.00004	.00004	-.00000	-.00000	.00015	-.00057	.00228	.00043

RUN NO. 1433/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.995	-8.078	1.29955	.03164	.01695	.01469	-.01544	.06437	-.27177	-.36877	-.36087
4.003	-4.020	1.30027	.03026	.01626	.01400	-.01472	.06176	-.26063	-.34629	-.35033
3.996	.021	1.30025	.02780	.01492	.01287	-.01353	.05667	-.23908	-.32462	-.34142
4.005	4.094	1.29976	.02733	.01465	.01268	-.01332	.05565	-.23500	-.32535	-.35329
	GRADIENT	-.00006	-.00036	-.00020	-.00016	.00017	-.00075	.00316	.00258	-.00037

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0075) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 DB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1435/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-8.019	1.34953	.02891	.01537	.01354	-.01422	.05840	-.24659	-.35872	-.42741
-4.002	-4.024	1.35011	.02780	.01484	.01296	-.01362	.05636	-.23771	-.33564	-.41169
-3.999	-.006	1.34992	.02722	.01462	.01259	-.01324	.05555	-.23340	-.31658	-.40935
-3.983	3.992	1.34965	.02687	.01448	.01239	-.01303	.05500	-.23110	-.30591	-.40115
	GRADIENT	-.00006	-.00012	-.00004	-.00007	.00007	-.00017	.00083	.00371	.00131

RUN NO. 1436/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.103	1.34944	.02722	.01456	.01266	-.01331	.05529	-.23303	-.34028	-.40425
.000	-4.048	1.35053	.02623	.01412	.01211	-.01273	.05364	-.22569	-.31448	-.38547
-.000	-.034	1.34984	.02594	.01398	.01196	-.01257	.05309	-.22374	-.30746	-.37049
-.002	3.963	1.34948	.02701	.01460	.01241	-.01304	.05546	-.23301	-.29911	-.38452
	GRADIENT	-.00013	.00010	.00006	.00004	-.00004	.00023	-.00091	.00192	.00012

RUN NO. 1437/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.084	1.34933	.03111	.01667	.01444	-.01517	.06333	-.26746	-.35970	-.35987
4.001	-4.001	1.34995	.02968	.01595	.01373	-.01443	.06058	-.25555	-.33577	-.34822
4.000	-.001	1.34996	.02885	.01553	.01332	-.01400	.05899	-.24926	-.32305	-.33463
4.000	4.042	1.34974	.02727	.01463	.01264	-.01329	.05556	-.23506	-.31831	-.35004
	GRADIENT	-.00003	-.00030	-.00016	-.00014	.00014	-.00062	.00255	.00217	-.00023

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(TC0077) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1441/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.940	-7.936	1.54891	.02779	.01485	.01293	-.01359	.05642	-.23968	-.32398	-.38658
-3.917	-3.971	1.54955	.02703	.01446	.01258	-.01322	.05491	-.23311	-.30931	-.36127
-3.901	-.025	1.54931	.02570	.01378	.01192	-.01253	.05233	-.22074	-.29216	-.38659
-3.919	3.934	1.54959	.02462	.01321	.01140	-.01199	.05018	-.21155	-.27117	-.37750
	GRADIENT	.00000	-.00031	-.00016	-.00015	.00016	-.00060	.00273	.00482	-.00205

RUN NO. 1442/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.943	1.54887	.02579	.01377	.01202	-.01264	.05230	-.21978	-.31656	-.35934
-.001	-3.940	1.54991	.02516	.01355	.01161	-.01221	.05145	-.21680	-.29764	-.33938
-.000	.068	1.54908	.02528	.01363	.01164	-.01224	.05179	-.21822	-.28377	-.33584
-.001	4.054	1.54885	.02504	.01349	.01155	-.01214	.05124	-.21570	-.27107	-.35309
	GRADIENT	-.00013	-.00001	-.00001	-.00001	.00001	-.00003	.00014	.00332	-.00171

RUN NO. 1443/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.042	-8.147	1.54870	.02717	.01454	.01263	-.01327	.05524	-.23322	-.32646	-.32316
4.071	-4.160	1.55000	.02724	.01458	.01266	-.01330	.05540	-.23453	-.31328	-.31656
4.098	.019	1.54937	.02881	.01552	.01329	-.01397	.05896	-.24999	-.30341	-.30810
4.069	4.115	1.54922	.02729	.01473	.01255	-.01320	.05596	-.23766	-.29158	-.32064
	GRADIENT	-.00009	.00001	.00002	-.00001	.00001	.00007	-.00039	.00262	-.00048

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 DB-ELV = -5.000

RUN NO. 1559/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.040	-8.050	1.39943	.02909	.01546	.01363	-.01432	.05874	-.24912	-.35501	-.41295
-4.063	-3.921	1.39987	.02746	.01465	.01281	-.01346	.05563	-.23483	-.33351	-.39129
-4.071	-.014	1.40069	.02643	.01420	.01223	-.01285	.05393	-.22640	-.31055	-.39683
-4.053	3.987	1.39965	.02638	.01421	.01217	-.01279	.05397	-.22697	-.30391	-.38871
	GRADIENT	-.00003	-.00014	-.00006	-.00008	.00008	-.00021	.00099	.00373	.00033

RUN NO. 1560/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-8.018	1.39952	.02681	.01434	.01247	-.01310	.05448	-.22948	-.33922	-.38806
-.003	-4.879	1.39979	.02604	.01400	.01204	-.01266	.05316	-.22410	-.31934	-.37365
-.004	-4.010	1.40021	.02568	.01383	.01186	-.01246	.05251	-.22127	-.31217	-.36605
-.005	-.034	1.39961	.02584	.01394	.01190	-.01251	.05296	-.22330	-.30247	-.35875
-.006	4.002	1.39889	.02658	.01439	.01219	-.01282	.05466	-.22974	-.29582	-.37160
	GRADIENT	-.00012	.00007	.00005	.00002	-.00002	.00019	-.00073	.00247	.00015

RUN NO. 1561/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.046	1.39997	.03019	.01617	.01401	-.01473	.06143	-.25950	-.35016	-.35167
3.987	-4.024	1.39988	.02828	.01520	.01308	-.01375	.05773	-.24373	-.32793	-.34222
3.977	.010	1.40044	.02724	.01462	.01262	-.01327	.05554	-.23481	-.31793	-.32921
3.988	4.047	1.39973	.02728	.01471	.01257	-.01321	.05589	-.23671	-.31533	-.33458
	GRADIENT	-.00002	-.00012	-.00006	-.00006	.00007	-.00023	.00087	.00156	.00095

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0079) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

PARAMETRIC DATA

RUN NO. 1563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.982	-7.934	1.54903	.02770	.01481	.01290	-.01355	.05624	-.23904	-.32342	-.38534
-3.977	-3.871	1.54918	.02703	.01445	.01258	-.01322	.05488	-.23299	-.31072	-.35387
-3.966	-.015	1.54897	.02502	.01337	.01164	-.01224	.05080	-.21415	-.29063	-.37789
-3.980	3.943	1.54971	.02412	.01292	.01120	-.01177	.04906	-.20685	-.27115	-.37157
	GRADIENT	.00007	-.00037	-.00020	-.00018	.00019	-.00074	.00334	.00506	-.00225

RUN NO. 1564/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.988	1.54922	.02546	.01358	.01188	-.01248	.05158	-.21674	-.31455	-.35668
-.004	-3.934	1.55008	.02475	.01331	.01144	-.01202	.05055	-.21301	-.29613	-.33559
-.005	.070	1.54907	.02484	.01340	.01144	-.01203	.05088	-.21447	-.28272	-.33249
-.005	4.070	1.54731	.02472	.01331	.01141	-.01200	.05057	-.21274	-.27217	-.34608
	GRADIENT	-.00035	-.00000	.00000	-.00000	.00000	.00000	.00003	.00299	-.00131

RUN NO. 1565/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.046	-8.125	1.54866	.02713	.01451	.01262	-.01326	.05513	-.23254	-.32164	-.32552
4.061	-4.089	1.54841	.02660	.01423	.01236	-.01299	.05406	-.22872	-.31111	-.31487
4.083	.021	1.54993	.02795	.01504	.01290	-.01356	.05714	-.24223	-.30259	-.30499
4.061	4.094	1.54893	.02676	.01444	.01232	-.01296	.05483	-.23294	-.29146	-.31519
	GRADIENT	.00006	.00002	.00003	-.00000	.00000	.00010	-.00052	.00240	-.00004

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 756/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-8.037	.60009	.01733	.01015	.00718	-.00758	.03854	-.16654	-.23419	-.20533
-3.999	-4.000	.59999	.01521	.00897	.00623	-.00658	.03408	-.14620	-.21032	-.19057
-4.005	.051	.60102	.01276	.00763	.00512	-.00541	.02900	-.12465	-.19989	-.16883
-4.004	3.901	.60012	.01156	.00725	.00431	-.00457	.02754	-.11892	-.18313	-.14988
	GRADIENT	.00002	-.00046	-.00022	-.00024	.00025	-.00083	.00347	.00343	.00515

RUN NO. 757/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.941	.59991	.01401	.00843	.00559	-.00590	.03201	-.13862	-.22769	-.21628
.000	-3.929	.60042	.01187	.00709	.00478	-.00505	.02692	-.11745	-.20474	-.17631
-.000	.073	.60083	.00980	.00598	.00381	-.00404	.02272	-.09948	-.19398	-.15537
-.001	4.051	.60032	.00828	.00526	.00302	-.00321	.01997	-.08598	-.18261	-.13368
	GRADIENT	-.00001	-.00045	-.00023	-.00022	.00023	-.00087	.00394	.00277	.00534

RUN NO. 758/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.048	.59955	.01701	.00984	.00716	-.00756	.03738	-.16391	-.23651	-.17238
3.999	-4.007	.60103	.01434	.00852	.00581	-.00614	.03237	-.14050	-.21164	-.14401
3.994	-.043	.60042	.01256	.00753	.00503	-.00532	.02861	-.12347	-.20787	-.13502
3.996	4.003	.60007	.00976	.00583	.00393	-.00416	.02213	-.09630	-.19105	-.12773
	GRADIENT	-.00012	-.00057	-.00034	-.00023	.00025	-.00128	.00552	.00258	.00203

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 760/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.037	.79964	.01759	.01006	.00753	-.00794	.03822	-.16267	-.21929	-.18235
-4.005	-3.957	.80025	.01416	.00825	.00591	-.00623	.03135	-.13260	-.19705	-.16350
-4.004	.060	.79994	.01226	.00724	.00502	-.00530	.02749	-.11647	-.18259	-.14473
-3.994	3.999	.79982	.01038	.00638	.00400	-.00424	.02422	-.10413	-.16370	-.13282
	GRADIENT	-.00005	-.00048	-.00024	-.00024	.00025	-.00090	.00358	.00419	.00386

RUN NO. 761/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.904	.79994	.01421	.00842	.00579	-.00611	.03199	-.13761	-.21577	-.18398
.000	-3.927	.80054	.01140	.00675	.00465	-.00491	.02565	-.11129	-.19342	-.14638
-.001	.089	.79984	.00951	.00566	.00385	-.00406	.02151	-.09379	-.17722	-.12435
-.001	4.097	.79929	.00761	.00465	.00296	-.00313	.01765	-.07614	-.16222	-.11553
	GRADIENT	-.00016	-.00047	-.00026	-.00021	.00022	-.00100	.00438	.00389	.00385

RUN NO. 762/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.019	.79967	.01708	.01002	.00707	-.00746	.03804	-.16390	-.22019	-.13265
3.996	-4.036	.80079	.01412	.00840	.00572	-.00605	.03190	-.13638	-.19881	-.11615
3.985	-.046	.80040	.01202	.00715	.00486	-.00514	.02717	-.11417	-.18842	-.10997
4.006	3.924	.79982	.00976	.00584	.00392	-.00414	.02217	-.09516	-.17031	-.10714
	GRADIENT	-.00012	-.00055	-.00032	-.00023	.00024	-.00122	.00518	.00358	.00113

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0082) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 765/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.993	-8.076	.89956	.01747	.00991	.00755	-.00796	.03764	-.15845	-.21560	-.16916
-4.006	-3.987	.90035	.01367	.00784	.00583	-.00614	.02978	-.12556	-.18924	-.14170
-4.005	.105	.90008	.01141	.00662	.00479	-.00505	.02514	-.10714	-.17139	-.12561
-3.992	4.003	.89989	.00947	.00573	.00375	-.00396	.02176	-.09284	-.15324	-.11413
GRADIENT		-.00006	-.00053	-.00026	-.00026	.00027	-.00101	.00410	.00450	.00345

RUN NO. 766/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.910	.90074	.01413	.00815	.00598	-.00631	.03095	-.13250	-.20764	-.15742
.000	-4.528	.90005	.01160	.00675	.00484	-.00511	.02565	-.11057	-.18298	-.13250
-.002	-3.906	.89981	.01138	.00664	.00474	-.00500	.02522	-.10859	-.18023	-.12657
-.000	-.016	.89992	.00937	.00538	.00399	-.00420	.02045	-.08933	-.16641	-.09873
-.001	3.966	.89963	.00710	.00409	.00301	-.00318	.01555	-.06938	-.15139	-.10294
GRADIENT		-.00003	-.00053	-.00032	-.00022	.00023	-.00120	.00490	.00369	.00368

RUN NO. 767/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = .900		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-7.986	.89964	.01756	.01016	.00740	-.00780	.03861	-.16397	-.21424	-.11533
3.996	-4.036	.90052	.01361	.00804	.00557	-.00588	.03054	-.12957	-.19273	-.03888
3.980	.031	.90033	.01113	.00661	.00452	-.00478	.02509	-.10706	-.18178	-.09601
4.002	3.992	.89969	.00949	.00558	.00391	-.00413	.02118	-.09038	-.16145	-.09914
GRADIENT		-.00010	-.00051	-.00031	-.00021	.00022	-.00117	.00489	.00389	-.00003

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC0083) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = 180.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 768/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.070	.94836	.01663	.00940	.00723	-.00762	.03569	-.14898	-.20616	-.15099
-4.004	-3.923	.95022	.01261	.00714	.00547	-.00576	.02712	-.11308	-.18245	-.12562
-4.003	-.008	.95023	.01037	.00580	.00457	-.00481	.02203	-.09334	-.16860	-.11391
-3.987	3.988	.94976	.00821	.00467	.00355	-.00374	.01772	-.07559	-.15283	-.10564
	GRADIENT	-.00006	-.00056	-.00031	-.00024	.00026	-.00119	.00474	.00374	.00252

RUN NO. 769/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.035	.95002	.01475	.00837	.00638	-.00672	.03181	-.13695	-.19295	-.14432
.000	-4.021	.95077	.01047	.00606	.00441	-.00466	.02301	-.09874	-.17307	-.12098
-.001	.094	.95116	.00831	.00464	.00368	-.00387	.01761	-.07565	-.16022	-.08966
-.001	3.974	.94958	.00581	.00317	.00264	-.00278	.01203	-.05398	-.13941	-.09087
	GRADIENT	-.00015	-.00058	-.00036	-.00022	.00023	-.00137	.00560	.00420	.00380

RUN NO. 770/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.994	-7.988	.94913	.01659	.00955	.00704	-.00743	.03627	-.15290	-.20541	-.10200
3.997	-4.053	.94977	.01350	.00783	.00567	-.00598	.02974	-.12417	-.18082	-.08549
3.983	.074	.95287	.01115	.00643	.00472	-.00498	.02443	-.10181	-.16423	-.07915
4.000	3.990	.94807	.00854	.00470	.00384	-.00404	.01786	-.07657	-.15489	-.08171
	GRADIENT	-.00020	-.00062	-.00039	-.00023	.00024	-.00148	.00591	.00323	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO.		778/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS			
-3.997	-8.010	1.04814	.01905	.01069	.00837	-.00881	.04059	-.16861	-.21084	-.13148			
-3.998	-4.014	1.05130	.01705	.00963	.00742	-.00782	.03656	-.15179	-.19905	-.12513			
-4.006	-.013	1.04991	.01479	.00835	.00643	-.00678	.03173	-.13124	-.18785	-.09520			
-3.985	3.991	1.04964	.01269	.00721	.00548	-.00578	.02737	-.11114	-.17690	-.07588			
	GRADIENT	-.00021	-.00054	-.00030	-.00024	.00025	-.00115	.00508	.00277	.00615			
RUN NO.		779/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS			
-.003	-7.923	1.04833	.01628	.00901	.00727	-.00766	.03422	-.14469	-.20994	-.14363			
-.001	-4.029	1.05158	.01563	.00855	.00708	-.00745	.03246	-.13592	-.21022	-.12061			
-.002	-.017	1.05105	.01464	.00806	.00558	-.00693	.03062	-.12677	-.20065	-.09054			
-.002	4.082	1.04940	.01102	.00599	.00504	-.00530	.02274	-.09414	-.17199	-.08225			
	GRADIENT	-.00027	-.00057	-.00032	-.00025	.00027	-.00120	.00516	.00472	.00472			
RUN NO.		780/	0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS			
3.995	-8.059	1.04705	.01892	.01048	.00844	-.00888	.03980	-.16497	-.21076	-.10086			
3.997	-4.068	1.05352	.01851	.01013	.00838	-.00882	.03847	-.15876	-.19962	-.08526			
3.993	.006	1.05074	.01601	.00881	.00720	-.00757	.03346	-.13804	-.18172	-.06787			
4.004	4.058	1.04948	.01282	.00714	.00568	-.00598	.02713	-.11138	-.18079	-.05866			
	GRADIENT	-.00050	-.00070	-.00037	-.00033	.00035	-.00139	.00583	.00232	.00327			

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0085) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 782/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-8.082	1.09723	.02431	.01338	.01092	-.01149	.05083	-.21141	-.26291	-.18885
-4.009	-3.955	1.10231	.02027	.01117	.00910	-.00958	.04242	-.17667	-.23285	-.15482
-4.005	-.017	1.10044	.01882	.01035	.00847	-.00891	.03931	-.16362	-.23078	-.12682
-3.983	3.992	1.09952	.01746	.00945	.00801	-.00842	.03591	-.14800	-.23507	-.10284
	GRADIENT	-.00035	-.00035	-.00022	-.00014	.00015	-.00082	.00361	-.00028	.00654

RUN NO. 783/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.060	1.10056	.02004	.01094	.00910	-.00957	.04157	-.17594	-.24644	-.19846
-.000	-4.760	1.10186	.01843	.01000	.00843	-.00887	.03798	-.15966	-.23782	-.15896
-.002	-4.038	1.10043	.01841	.00996	.00845	-.00888	.03784	-.15893	-.23769	-.15197
-.001	-.027	1.09973	.01802	.00970	.00832	-.00875	.03684	-.15311	-.23625	-.12404
-.002	3.972	1.09978	.01682	.00893	.00789	-.00828	.03393	-.14094	-.22594	-.11172
	GRADIENT	-.00019	-.00018	-.00012	-.00006	.00007	-.00045	.00210	.00129	.00546

RUN NO. 784/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.034	1.09892	.02542	.01374	.01168	-.01228	.05219	-.21690	-.25192	-.14844
4.002	-4.011	1.10103	.02142	.01154	.00989	-.01039	.04382	-.18113	-.23328	-.11096
3.995	.014	1.10082	.01973	.01059	.00914	-.00961	.04022	-.16631	-.22674	-.09819
4.002	4.063	1.09992	.01783	.00959	.00824	-.00866	.03644	-.15095	-.23486	-.10094
	GRADIENT	-.00014	-.00044	-.00024	-.00020	.00021	-.00091	.00374	-.00020	.00124

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0087) (13 APR 92)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 788/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-7.964	1.24888	.01740	.00966	.00775	-.00815	.03669	-.15245	-.20057	-.12202
-4.012	-3.952	1.25044	.01527	.00839	.00689	-.00724	.03186	-.13234	-.18232	-.09050
-4.008	-.009	1.25024	.01395	.00762	.00633	-.00666	.02895	-.12003	-.18435	-.06072
-3.989	4.001	1.24980	.01254	.00679	.00575	-.00605	.02577	-.10693	-.18780	-.04402
	GRADIENT	-.00008	-.00034	-.00020	-.00014	.00015	-.00077	.00320	-.00069	.00584

RUN NO. 789/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.075	1.24943	.01457	.00792	.00665	-.00699	.03009	-.12760	-.19865	-.14840
-.000	-4.041	1.25050	.01348	.00724	.00624	-.00656	.02751	-.11548	-.18681	-.10001
-.001	-.024	1.25014	.01319	.00701	.00618	-.00649	.02664	-.11062	-.18612	-.06528
-.002	4.091	1.24921	.01257	.00663	.00594	-.00624	.02519	-.10439	-.18294	-.06459
	GRADIENT	-.00016	-.00011	-.00008	-.00004	.00004	-.00029	.00136	.00048	.00434

RUN NO. 790/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.082	1.24904	.01847	.01004	.00843	-.00886	.03814	-.15874	-.19569	-.09208
3.997	-4.090	1.25065	.01663	.00897	.00766	-.00805	.03407	-.14082	-.18100	-.06173
4.000	.014	1.25014	.01516	.00810	.00706	-.00742	.03075	-.12706	-.17848	-.05244
4.010	4.100	1.25061	.01315	.00695	.00619	-.00650	.02641	-.10891	-.18529	-.05674
	GRADIENT	-.00001	-.00042	-.00025	-.00018	.00019	-.00094	.00390	-.00052	.00061

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-7.961	1.24951	.00708	.00403	.00306	-.00322	.01529	-.06244	-.10907	-.01740
-4.015	-3.937	1.25040	.00578	.00312	.00267	-.00280	.01184	-.04782	-.09616	.02006
-4.002	.032	1.24995	.00506	.00256	.00249	-.00262	.00974	-.03953	-.10365	.05883
-3.986	3.996	1.24986	.00401	.00198	.00203	-.00213	.00752	-.03078	-.11371	.09163
	GRADIENT	-.00007	-.00022	-.00014	-.00008	.00008	-.00055	.00215	-.00221	.00902

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.051	1.24945	.00581	.00315	.00266	-.00280	.01197	-.05001	-.10533	-.01255
.000	-5.154	1.25009	.00561	.00295	.00267	-.00280	.01120	-.04659	-.10784	.00617
.000	-4.063	1.25006	.00546	.00281	.00265	-.00278	.01067	-.04433	-.10696	.02070
-.001	-.026	1.25008	.00485	.00243	.00241	-.00253	.00925	-.03808	-.10627	.05564
-.002	4.102	1.24932	.00382	.00189	.00192	-.00202	.00719	-.02948	-.10936	.05377
	GRADIENT	-.00009	-.00020	-.00011	-.00009	.00009	-.00043	.00182	-.00029	.00403

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.103	1.24942	.00756	.00410	.00346	-.00364	.01559	-.06372	-.09306	-.00420
4.003	-4.001	1.25013	.00574	.00310	.00264	-.00277	.01178	-.04836	-.08167	.03172
3.999	.003	1.25021	.00509	.00268	.00241	-.00253	.01018	-.04197	-.08956	.03988
4.006	4.086	1.24966	.00470	.00248	.00222	-.00233	.00943	-.03840	-.11032	.03799
	GRADIENT	-.00006	-.00013	-.00008	-.00005	.00005	-.00029	.00123	-.00355	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TCD089) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1405/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-8.018	1.29953	.00800	.00449	.00351	-.00370	.01706	-.06981	-.11562	-.02352
-4.016	-3.945	1.30042	.00564	.00354	.00310	-.00326	.01343	-.05444	-.10104	.01636
-4.001	-.009	1.30023	.00575	.00289	.00285	-.00299	.01098	-.04468	-.10364	.05703
-3.986	3.999	1.29953	.00494	.00245	.00248	-.00260	.00932	-.03849	-.12202	.08560
	GRADIENT	-.00011	-.00021	-.00014	-.00008	.00008	-.00052	.00201	-.00264	.00871

RUN NO. 1407/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.090	1.29956	.00647	.00346	.00300	-.00316	.01315	-.05469	-.10971	-.01672
-.001	-4.047	1.30040	.00625	.00321	.00305	-.00320	.01218	-.05074	-.11069	.01682
-.001	-.019	1.30027	.00577	.00288	.00289	-.00303	.01093	-.04520	-.11305	.04921
-.002	3.973	1.29948	.00471	.00235	.00235	-.00247	.00894	-.03675	-.11734	.04500
	GRADIENT	-.00011	-.00019	-.00011	-.00009	.00009	-.00040	.00174	-.00083	.00352

RUN NO. 1408/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.086	1.29899	.00854	.00462	.00393	-.00413	.01753	-.07198	-.10010	-.01054
4.002	-4.026	1.30018	.00677	.00359	.00318	-.00335	.01362	-.05628	-.08462	.02685
3.995	.015	1.29991	.00583	.00306	.00277	-.00291	.01161	-.04814	-.09537	.03937
4.004	4.084	1.29975	.00548	.00280	.00268	-.00281	.01065	-.04323	-.11664	.03527
	GRADIENT	-.00005	-.00016	-.00010	-.00006	.00007	-.00037	.00161	-.00395	.00104

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-7.955	1.34971	.00829	.00461	.00368	-.00387	.01750	-.07187	-.11229	-.02119
-4.014	-3.926	1.35015	.00692	.00363	.00329	-.00345	.01378	-.05592	-.10275	.01928
-4.004	-.004	1.34966	.00624	.00315	.00309	-.00324	.01197	-.04848	-.10863	.05354
-3.997	4.092	1.34998	.00540	.00270	.00269	-.00282	.01027	-.04215	-.12159	.08225
	GRADIENT	-.00002	-.00019	-.00012	-.00007	.00008	-.00044	.00172	-.00235	.00785

RUN NO. 1411/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.064	1.34992	.00649	.00349	.00300	-.00315	.01327	-.05490	-.11284	-.01622
-.000	-4.037	1.35045	.00648	.00333	.00315	-.00331	.01265	-.05269	-.10883	.02041
-.001	-.019	1.34993	.00581	.00290	.00291	-.00305	.01101	-.04540	-.11548	.04934
-.002	3.979	1.34979	.00512	.00258	.00254	-.00266	.00979	-.04029	-.11901	.04496
	GRADIENT	-.00008	-.00017	-.00009	-.00008	.00008	-.00036	.00155	-.00127	.00307

RUN NO. 1412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.090	1.34977	.00843	.00458	.00385	-.00405	.01739	-.07163	-.10321	-.00961
4.001	-4.085	1.35032	.00714	.00379	.00335	-.00352	.01439	-.05969	-.08751	.02561
3.998	.008	1.34990	.00642	.00338	.00304	-.00319	.01286	-.05328	-.09617	.03586
4.005	4.077	1.34967	.00581	.00301	.00281	-.00294	.01142	-.04600	-.11598	.03072
	GRADIENT	-.00008	-.00016	-.00010	-.00007	.00007	-.00036	.00160	-.00349	.00063

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-7.953	1.39996	.00851	.00479	.00371	-.00391	.01821	-.07498	-.11923	-.02550
-4.017	-3.932	1.40040	.00734	.00389	.00345	-.00362	.01477	-.05998	-.10444	.01773
-3.995	-.013	1.39968	.00650	.00333	.00317	-.00333	.01263	-.05136	-.11173	.04593
-3.987	3.997	1.39952	.00597	.00304	.00292	-.00306	.01157	-.04720	-.12634	.07429
	GRADIENT	-.00011	-.00017	-.00011	-.00007	.00007	-.00040	.00161	-.00277	.00713

RUN NO. 1414/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.060	1.39958	.00699	.00377	.00323	-.00339	.01430	-.05929	-.11601	-.01657
-.000	-4.836	1.39996	.00724	.00376	.00348	-.00365	.01428	-.05960	-.11427	.01520
-.000	-4.045	1.39963	.00716	.00370	.00345	-.00362	.01407	-.05870	-.11203	.02081
-.001	-.020	1.39980	.00650	.00329	.00321	-.00337	.01250	-.05176	-.11955	.05082
-.002	3.971	1.39961	.00577	.00291	.00285	-.00299	.01107	-.04544	-.12183	.04940
	GRADIENT	-.00002	-.00017	-.00010	-.00007	.00007	-.00037	.00163	-.00105	.00415

RUN NO. 1415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.085	1.39962	.00828	.00457	.00371	-.00390	.01737	-.07156	-.10626	-.01190
4.011	-4.019	1.40020	.00748	.00400	.00348	-.00366	.01520	-.06307	-.08861	.02395
4.001	.020	1.39987	.00655	.00348	.00307	-.00323	.01321	-.05483	-.09744	.03478
4.002	4.052	1.40010	.00609	.00317	.00292	-.00307	.01205	-.04934	-.11852	.02851
	GRADIENT	-.00001	-.00017	-.00010	-.00007	.00007	-.00039	.00170	-.00370	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC0092) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1416/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.947	-7.934	1.54773	.00823	.00464	.00359	.00378	.01762	-.07321	-.12599	-.04199
-3.932	-3.878	1.54846	.00821	.00435	.00386	.00405	.01652	-.06719	-.10869	.00637
-3.900	-.019	1.55007	.00665	.00342	.00323	.00338	.01300	-.05264	-.11567	.02701
-3.903	3.945	1.55098	.00670	.00346	.00324	.00340	.01313	-.05327	-.12711	.06443
	GRADIENT	.00032	-.00019	-.00011	-.00008	.00008	-.00043	.00177	-.00236	.00743

RUN NO. 1417/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.983	1.54882	.00813	.00442	.00371	.00390	.01678	-.06948	-.12392	-.03230
-.001	-3.942	1.54908	.00803	.00419	.00384	.00403	.01593	-.06611	-.11764	.01696
-.001	.081	1.54890	.00765	.00397	.00368	.00386	.01509	-.06244	-.12434	.03411
-.002	4.079	1.54804	.00692	.00356	.00336	.00352	.01352	-.05537	-.12358	.04708
	GRADIENT	-.00013	-.00014	-.00008	-.00006	.00006	-.00030	.00134	-.00074	.00376

RUN NO. 1418/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.044	-8.167	1.54626	.00866	.00477	.00389	.00410	.01811	-.07512	-.11002	-.02371
4.075	-4.091	1.55001	.00781	.00424	.00357	.00376	.01611	-.06697	-.09305	.01098
4.102	.016	1.54882	.00733	.00396	.00336	.00353	.01506	-.06247	-.10122	.02537
4.071	4.128	1.54842	.00724	.00386	.00338	.00355	.01468	-.06051	-.13158	.01528
	GRADIENT	-.00019	-.00007	-.00005	-.00002	.00003	-.00017	.00079	-.00469	.00052

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0093) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1540/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.070	-8.088	1.39989	.00814	.00457	.00356	-.00375	.01737	-.07155	-.11567	-.02483
-4.087	-3.928	1.40020	.00692	.00368	.00324	-.00340	.01399	-.05678	-.10048	.01853
-4.084	-.021	1.39930	.00597	.00308	.00289	-.00303	.01170	-.04749	-.11071	.03711
-4.077	3.989	1.39996	.00554	.00283	.00271	-.00285	.01073	-.04385	-.12546	.07378
	GRADIENT	-.00003	-.00017	-.00011	-.00007	.00007	-.00041	.00163	-.00316	.00699

RUN NO. 1541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.089	1.39991	.00636	.00346	.00291	-.00305	.01313	-.05425	-.11354	-.01507
-.001	-4.890	1.40003	.00691	.00361	.00331	-.00347	.01369	-.05716	-.11136	.01562
-.002	-4.044	1.40030	.00670	.00348	.00323	-.00339	.01321	-.05505	-.10864	.02296
-.003	-.048	1.40060	.00598	.00302	.00297	-.00311	.01146	-.04763	-.11368	.05588
-.004	3.984	1.39903	.00537	.00272	.00264	-.00277	.01034	-.04240	-.12014	.05198
	GRADIENT	-.00011	-.00017	-.00010	-.00007	.00008	-.00038	.00166	-.00113	.00437

RUN NO. 1542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.940	-8.067	1.39976	.00754	.00429	.00325	-.00343	.01630	-.06733	-.11203	-.01260
3.937	-4.051	1.40023	.00682	.00366	.00316	-.00332	.01391	-.05769	-.08520	.02426
3.935	.005	1.40008	.00585	.00309	.00275	-.00289	.01175	-.04875	-.09262	.03549
3.930	3.999	1.39936	.00569	.00298	.00271	-.00285	.01132	-.04615	-.11599	.02819
	GRADIENT	-.00011	-.00014	-.00008	-.00006	.00006	-.00032	.00144	-.00382	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (TC0094) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1544/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.030	-7.937	1.54739	.00744	.00418	.00326	-.00343	.01589	-.06592	-.12082	-.03888
-4.004	-3.878	1.54939	.00735	.00388	.00347	-.00365	.01472	-.05985	-.10366	.01412
-3.984	-.032	1.54999	.00592	.00307	.00285	-.00299	.01168	-.04727	-.10977	.02613
-3.996	3.929	1.54977	.00607	.00311	.00296	-.00311	.01181	-.04782	-.12315	.06686
	GRADIENT	.00005	-.00016	-.00010	-.00006	.00007	-.00037	.00153	-.00250	.00677

RUN NO. 1545/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.000	-7.993	1.54894	.00725	.00391	.00334	-.00351	.01486	-.06134	-.11623	-.02350
-.001	-3.938	1.55082	.00716	.00371	.00345	-.00363	.01408	-.05836	-.10972	.02305
-.003	.091	1.54949	.00685	.00349	.00336	-.00352	.01324	-.05479	-.11461	.04772
-.002	4.047	1.54752	.00598	.00305	.00293	-.00308	.01158	-.04718	-.11628	.05650
	GRADIENT	-.00041	-.00015	-.00008	-.00007	.00007	-.00031	.00140	-.00082	.00420

RUN NO. 1546/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.983	-8.137	1.54822	.00769	.00422	.00346	-.00365	.01604	-.06655	-.10439	-.01653
4.005	-4.109	1.54881	.00676	.00365	.00311	-.00327	.01386	-.05758	-.08448	.01590
4.036	.011	1.54871	.00643	.00345	.00299	-.00314	.01309	-.05428	-.09393	.03292
4.005	4.081	1.54815	.00624	.00332	.00292	-.00307	.01261	-.05194	-.12340	.02199
	GRADIENT	-.00008	-.00006	-.00004	-.00002	.00002	-.00015	.00069	-.00475	.00075

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0095) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.100	.59915	.02501	.01311	.01190	-.01250	.04980	-.21199	-.38155	-.37671
-4.003	-4.007	.59899	.02434	.01275	.01160	-.01218	.04842	-.20585	-.35667	-.37289
-4.003	-.002	.60001	.02331	.01222	.01109	-.01165	.04640	-.19623	-.34256	-.35594
-4.002	3.969	.59954	.02250	.01183	.01067	-.01121	.04492	-.19125	-.33511	-.33142
	GRADIENT	.00007	-.00023	-.00012	-.00012	.00012	-.00044	.00183	.00270	.00520

RUN NO. 1620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-8.001	.59909	.02352	.01232	.01120	-.01176	.04679	-.20017	-.36507	-.35604
.001	-4.015	.59997	.02214	.01159	.01054	-.01107	.04404	-.18832	-.33542	-.32679
.001	.071	.60063	.02120	.01104	.01016	-.01066	.04195	-.17946	-.32861	-.31447
-.001	3.984	.60058	.02028	.01055	.00973	-.01021	.04008	-.17123	-.32303	-.29521
	GRADIENT	.00008	-.00023	-.00013	-.00010	.00011	-.00049	.00214	.00155	.00394

RUN NO. 1621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.086	.59901	.02548	.01324	.01224	-.01285	.05029	-.21491	-.38022	-.30494
4.001	-4.000	.60045	.02437	.01269	.01168	-.01226	.04819	-.20548	-.35119	-.28020
4.004	-.010	.60028	.02290	.01190	.01100	-.01154	.04522	-.19334	-.34352	-.26898
3.999	3.979	.59931	.02228	.01154	.01074	-.01128	.04382	-.18800	-.33767	-.27047
	GRADIENT	-.00014	-.00026	-.00014	-.00012	.00012	-.00055	.00219	.00169	.00122

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0096) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.098	.79925	.02650	.01401	.01250	-.01313	.05321	-.22550	-.38287	-.36257
-4.003	-4.048	.80053	.02461	.01306	.01155	-.01214	.04959	-.20965	-.34687	-.35623
-3.991	-.033	.80002	.02377	.01263	.01114	-.01170	.04798	-.20293	-.33141	-.35378
-3.998	3.994	.79965	.02331	.01240	.01090	-.01146	.04711	-.19940	-.32242	-.34491
	GRADIENT	-.00011	-.00016	-.00008	-.00008	.00008	-.00031	.00127	.00304	.00141

RUN NO. 1624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.003	-8.021	.80000	.02534	.01337	.01197	-.01257	.05079	-.21626	-.36288	-.34601
-.001	-4.001	.80008	.02366	.01250	.01115	-.01171	.04749	-.20214	-.33200	-.31658
-.000	-.016	.79971	.02265	.01194	.01070	-.01124	.04537	-.19270	-.31921	-.30466
-.001	3.976	.79947	.02140	.01124	.01016	-.01067	.04269	-.18142	-.30905	-.30181
	GRADIENT	-.00008	-.00028	-.00016	-.00012	.00013	-.00060	.00260	.00288	.00185

RUN NO. 1625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.097	.79908	.02733	.01440	.01293	-.01358	.05470	-.23209	-.38302	-.29207
3.998	-4.058	.80053	.02549	.01347	.01202	-.01263	.05115	-.21637	-.34527	-.26540
3.991	-.033	.80035	.02418	.01278	.01140	-.01198	.04853	-.20540	-.33201	-.26350
4.003	3.984	.79951	.02337	.01233	.01104	-.01159	.04683	-.19836	-.31330	-.27220
	GRADIENT	-.00013	-.00026	-.00014	-.00012	.00013	-.00054	.00224	.00398	-.00084

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0097) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.085	.89921	.02849	.01499	.01350	-.01418	.05695	-.24081	-.38322	-.34193
-4.002	-4.080	.90017	.02633	.01394	.01239	-.01302	.05294	-.22382	-.35406	-.34662
-3.990	.038	.90006	.02528	.01340	.01187	-.01247	.05091	-.21469	-.33646	-.35202
-3.999	4.002	.89990	.02419	.01283	.01136	-.01193	.04873	-.20594	-.31990	-.34499
	GRADIENT	-.00003	-.00026	-.00014	-.00013	.00013	-.00052	.00221	.00423	.00019

RUN NO. 1627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.014	.89999	.02717	.01434	.01283	-.01348	.05447	-.23096	-.36879	-.32969
-.001	-4.022	.90008	.02477	.01310	.01167	-.01226	.04975	-.21108	-.33191	-.30931
-.000	-.022	.89978	.02347	.01242	.01105	-.01161	.04717	-.20007	-.31577	-.29711
-.001	3.958	.89967	.02210	.01164	.01045	-.01098	.04423	-.18767	-.30168	-.31404
	GRADIENT	-.00005	-.00034	-.00018	-.00015	.00016	-.00069	.00293	.00379	-.00059

RUN NO. 1628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.085	.89969	.02918	.01550	.01368	-.01438	.05887	-.24880	-.37526	-.28756
4.003	-4.074	.89994	.02650	.01401	.01249	-.01312	.05320	-.22496	-.35280	-.26733
3.990	.046	.90027	.02503	.01330	.01173	-.01232	.05052	-.21381	-.32972	-.26808
4.003	4.013	.90001	.02415	.01287	.01128	-.01185	.04889	-.20693	-.31187	-.28264
	GRADIENT	.00001	-.00029	-.00014	-.00015	.00016	-.00053	.00223	.00506	-.00188

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L DT + ASRM, PLUMES OFF

(TC0098) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1629/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.087	.94925	.03039	.01610	.01429	-.01502	.06114	-.25852	-.38479	-.35448
-4.004	-4.093	.95026	.02866	.01527	.01339	-.01407	.05801	-.24511	-.36318	-.36209
-3.994	.077	.95041	.02744	.01471	.01273	-.01338	.05589	-.23593	-.35142	-.38123
-4.005	4.018	.94934	.02677	.01432	.01246	-.01309	.05438	-.23012	-.34097	-.38168
	GRADIENT	-.00011	-.00023	-.00012	-.00012	.00012	-.00045	.00185	.00274	-.00244

RUN NO. 1630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.013	.94981	.02884	.01533	.01352	-.01420	.05821	-.24693	-.37434	-.34933
.000	-4.028	.94996	.02652	.01408	.01244	-.01307	.05349	-.22654	-.35063	-.33866
-.001	-.013	.94983	.02558	.01365	.01193	-.01254	.05185	-.21967	-.33315	-.32538
.002	3.999	.94946	.02465	.01314	.01151	-.01209	.04991	-.21152	-.31770	-.31762
	GRADIENT	-.00006	-.00023	-.00012	-.00012	.00012	-.00045	.00187	.00410	.00013

RUN NO. 1631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.083	.94931	.03155	.01688	.01467	-.01541	.06412	-.27144	-.38158	-.30476
4.001	-4.090	.95026	.02996	.01602	.01394	-.01465	.06085	-.25674	-.36128	-.28530
3.989	.089	.95048	.02820	.01509	.01311	-.01378	.05733	-.24198	-.34693	-.28349
4.004	4.001	.94938	.02668	.01426	.01241	-.01305	.05417	-.22904	-.33283	-.30172
	GRADIENT	-.00011	-.00041	-.00022	-.00019	.00020	-.00083	.00342	.00352	-.00200

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.062	1.04814	.03473	.01841	.01632	-.01715	.06993	-.29413	-.41784	-.45015
-4.003	-4.097	1.05165	.03350	.01808	.01542	-.01621	.06868	-.28933	-.38581	-.44976
-4.000	.009	1.05027	.03232	.01757	.01474	-.01551	.06674	-.28157	-.37458	-.45777
-4.003	4.030	1.04921	.03122	.01702	.01420	-.01493	.06465	-.27294	-.36997	-.46398
	GRADIENT	-.00030	-.00028	-.00013	-.00015	.00016	-.00050	.00202	.00195	-.00175

RUN NO. 1633/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-7.991	1.04947	.03303	.01769	.01534	-.01612	.06719	-.28439	-.40297	-.45204
.000	-4.045	1.05087	.03135	.01689	.01446	-.01520	.06415	-.27192	-.37844	-.42871
-.001	-.028	1.05029	.03011	.01625	.01386	-.01457	.06172	-.26112	-.36699	-.41193
-.002	3.961	1.04972	.03008	.01629	.01379	-.01450	.06186	-.26251	-.36096	-.43086
	GRADIENT	-.00014	-.00016	-.00008	-.00008	.00009	-.00029	.00118	.00218	-.00026

RUN NO. 1634/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.001	-8.052	1.04809	.03636	.01972	.01664	-.01750	.07491	-.31671	-.41396	-.38571
4.002	-4.012	1.05146	.03445	.01865	.01580	-.01662	.07083	-.29829	-.39191	-.36073
3.999	.025	1.05024	.03298	.01787	.01511	-.01589	.06788	-.28552	-.37670	-.35602
4.008	4.068	1.04984	.03034	.01635	.01399	-.01470	.06211	-.26138	-.36895	-.36936
	GRADIENT	-.00020	-.00051	-.00028	-.00022	.00024	-.00108	.00457	.00284	-.00107

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00AO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1636/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.054	1.09853	.04055	.02180	.01876	-.01971	.08279	-.34830	-.46252	-.55194
-4.003	-4.092	1.10075	.03853	.02076	.01777	-.01868	.07884	-.33122	-.42681	-.53050
-4.002	.012	1.10042	.03692	.01998	.01695	-.01782	.07587	-.31902	-.41241	-.52327
-4.004	4.051	1.09958	.03490	.01901	.01588	-.01670	.07222	-.30351	-.39591	-.51253
	GRADIENT	-.00014	-.00045	-.00021	-.00023	.00024	-.00081	.00340	.00379	.00221

RUN NO. 1637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.991	1.09919	.03844	.02069	.01775	-.01865	.07859	-.33070	-.44385	-.51748
.001	-4.062	1.10065	.03616	.01954	.01662	-.01747	.07432	-.31246	-.41218	-.48557
-.001	-.005	1.10009	.03519	.01912	.01607	-.01690	.07262	-.30614	-.40022	-.47358
-.001	3.990	1.09943	.03493	.01905	.01588	-.01670	.07237	-.30437	-.39031	-.48086
	GRADIENT	-.00015	-.00015	-.00006	-.00009	.00010	-.00023	.00101	.00272	.00059

RUN NO. 1638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.046	1.09876	.04211	.02274	.01936	-.02036	.08639	-.36371	-.46641	-.46118
3.998	-4.014	1.10035	.03870	.02080	.01790	-.01881	.07902	-.33230	-.43236	-.43724
4.001	.025	1.09997	.03678	.01974	.01704	-.01791	.07497	-.31499	-.41116	-.41750
4.004	4.033	1.09941	.03433	.01839	.01593	-.01675	.06986	-.29318	-.39962	-.43124
	GRADIENT	-.00012	-.00054	-.00030	-.00024	.00026	-.00114	.00486	.00407	.00075

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A1) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.038	1.14882	.03426	.01835	.01590	-.01671	.06971	-.29346	-.40457	-.47939
-4.005	-4.092	1.15054	.03278	.01765	.01512	-.01590	.06705	-.28191	-.37719	-.46436
-4.007	.019	1.15067	.03198	.01728	.01470	-.01545	.06565	-.27587	-.36549	-.46401
-4.004	4.049	1.14944	.03119	.01695	.01424	-.01498	.06439	-.27030	-.35624	-.45343
	GRADIENT	-.00013	-.00019	-.00009	-.00011	.00011	-.00033	.00143	.00257	.00134

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.098	1.14955	.03228	.01731	.01497	-.01574	.06573	-.27686	-.38834	-.45795
.000	-4.066	1.15026	.03077	.01661	.01416	-.01489	.06310	-.26583	-.36549	-.43065
-.001	-.029	1.14989	.03033	.01645	.01388	-.01460	.06250	-.26344	-.35729	-.41986
.001	3.959	1.14986	.03090	.01686	.01404	-.01477	.06403	-.26932	-.35048	-.42650
	GRADIENT	-.00005	.00002	.00003	-.00002	.00001	.00011	-.00043	.00187	.00052

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.029	1.14818	.03608	.01948	.01660	-.01746	.07399	-.31177	-.40893	-.39832
4.001	-4.016	1.15022	.03355	.01803	.01552	-.01631	.06849	-.28816	-.38405	-.37662
4.006	.024	1.15036	.03214	.01726	.01488	-.01564	.06555	-.27544	-.36587	-.36517
4.008	4.084	1.14999	.03049	.01634	.01416	-.01488	.06205	-.26061	-.36124	-.38031
	GRADIENT	-.00003	-.00038	-.00021	-.00017	.00018	-.00080	.00340	.00281	-.00046

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TCDOA2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.914	1.24880	.03053	.01631	.01422	-.01494	.06194	-.26106	-.37316	-.45267
-4.005	-4.087	1.25007	.02966	.01594	.01372	-.01442	.06056	-.25479	-.35266	-.43237
-4.002	.015	1.25015	.02894	.01560	.01334	-.01402	.05927	-.24906	-.33621	-.43397
-4.001	3.996	1.24930	.02841	.01533	.01308	-.01375	.05825	-.24462	-.32847	-.41901
	GRADIENT	-.00009	-.00015	-.00008	-.00008	.00008	-.00029	.00126	.00300	.00164

RUN NO. 1643/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.987	1.24950	.02886	.01545	.01341	-.01410	.05867	-.24734	-.35712	-.42463
-4.001	-4.065	1.25030	.02750	.01479	.01270	-.01335	.05619	-.23658	-.33460	-.40724
-4.001	-.034	1.24980	.02733	.01478	.01255	-.01319	.05615	-.23666	-.32915	-.39305
-4.002	3.954	1.24977	.02791	.01521	.01271	-.01336	.05776	-.24278	-.31845	-.40484
	GRADIENT	-.00007	.00005	.00005	.00000	-.00000	.00020	-.00077	.00201	.00031

RUN NO. 1644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.035	1.24909	.03285	.01764	.01521	-.01599	.06701	-.28293	-.38084	-.37169
4.003	-4.020	1.25031	.03088	.01654	.01434	-.01507	.06283	-.26530	-.35992	-.36263
4.000	.020	1.24971	.02878	.01542	.01336	-.01404	.05856	-.24650	-.33555	-.35309
3.999	3.988	1.24985	.02837	.01524	.01313	-.01380	.05790	-.24400	-.33556	-.36661
	GRADIENT	-.00006	-.00031	-.00016	-.00015	.00016	-.00062	.00267	.00305	-.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1674/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.026	1.24947	.02988	.01596	.01392	-.01463	.06064	-.25565	-.36918	-.44662
-4.003	-4.094	1.25002	.02903	.01561	.01342	-.01411	.05929	-.24934	-.34870	-.42657
-3.996	.014	1.25019	.02826	.01523	.01303	-.01370	.05785	-.24306	-.33332	-.42734
-4.000	4.037	1.24959	.02770	.01493	.01276	-.01342	.05672	-.23828	-.32400	-.41438
	GRADIENT	-.00005	-.00016	-.00008	-.00008	.00008	-.00032	.00136	.00304	.00149

RUN NO. 1675/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.087	1.24950	.02824	.01509	.01315	-.01382	.05730	-.24150	-.35374	-.41854
.000	-4.061	1.25027	.02689	.01445	.01245	-.01308	.05487	-.23110	-.33118	-.40114
-.001	.005	1.25013	.02650	.01434	.01216	-.01279	.05445	-.22963	-.32445	-.38756
-.002	3.958	1.24957	.02726	.01482	.01244	-.01308	.05630	-.23664	-.31520	-.39782
	GRADIENT	-.00009	.00005	.00005	-.00000	.00000	.00018	-.00069	.00199	.00043

RUN NO. 1676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.021	1.24901	.03220	.01727	.01493	-.01569	.06558	-.27683	-.37693	-.36761
3.999	-4.012	1.25004	.03003	.01607	.01396	-.01467	.06102	-.25753	-.35491	-.35608
4.000	.017	1.24996	.02811	.01507	.01304	-.01370	.05723	-.24093	-.33173	-.34835
4.002	4.033	1.24981	.02756	.01478	.01278	-.01343	.05615	-.23666	-.33079	-.35950
	GRADIENT	-.00003	-.00031	-.00016	-.00015	.00015	-.00061	.00260	.00300	-.00042

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.928	1.29977	.02901	.01548	.01353	-.01422	.05880	-.24810	-.36364	-.43016
-4.001	-4.080	1.30050	.02793	.01495	.01298	-.01364	.05678	-.23900	-.34320	-.41341
-3.997	.011	1.30030	.02781	.01495	.01286	-.01352	.05677	-.23839	-.32758	-.41445
-3.999	4.044	1.29922	.02722	.01469	.01253	-.01317	.05581	-.23450	-.32075	-.40860
	GRADIENT	-.00016	-.00009	-.00003	-.00006	.00006	-.00012	.00055	.00277	.00059

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.090	1.29981	.02766	.01479	.01287	-.01352	.05618	-.23682	-.34702	-.41053
.000	-4.022	1.29996	.02640	.01419	.01221	-.01283	.05390	-.22688	-.32430	-.39598
-.001	-.041	1.29959	.02611	.01407	.01204	-.01266	.05345	-.22538	-.31788	-.38068
-.002	4.002	1.29989	.02663	.01445	.01217	-.01280	.05490	-.23082	-.30788	-.39287
	GRADIENT	-.00001	.00003	.00003	-.00000	.00000	.00012	-.00049	.00205	.00038

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.041	1.29940	.03159	.01694	.01466	-.01540	.06433	-.27159	-.37060	-.35736
3.999	-4.022	1.30011	.02990	.01605	.01385	-.01455	.06096	-.25731	-.34674	-.34768
4.002	.024	1.29991	.02734	.01464	.01270	-.01335	.05560	-.23419	-.32467	-.33928
4.002	4.035	1.29990	.02696	.01446	.01250	-.01314	.05491	-.23163	-.32620	-.35179
	GRADIENT	-.00003	-.00037	-.00020	-.00017	.00018	-.00075	.00319	.00255	-.00051

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	1.350	IEABOX	=	180.000
IB-ELV	=	8.000	OB-ELV	=	5.000

PARAMETRIC DATA

RUN NO.	1682	0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
	-3.998	-7.940	1.35047	.02875	.01531	.01344	-.01412	.05816	-.24550	-35836	-42795
	-4.001	-4.074	1.34995	.03767	.01477	.01290	-.01356	.05610	-	-33866	-40973
	-3.994	.014	1.34967	.02708	.01454	.01254	-.01318	.05522	-23183	-31966	-41082
	-4.003	4.056	1.35013	.02651	.01428	.01223	-.01286	.05424	-22792	-31015	-39949
GRADIENT			.00002	-.00014	-.00006	-.00008	.00009	-.00023	-.00106	.00351	.00126

PIN NO	1683 / 0	RN/I	=	2.50	GRADIENT INTERVAL	=	-5.00/
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	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
BETA	.001	1.34989	.02695	.01443	.01253	-.01316	.05480	-.23089	-.33997	-.40170
.000	-8.089	1.34989	.02583	.01390	.01193	-.01254	.05279	-.31580	-.38543	-.45170
.000	-4.052	1.34984	.02533	.01366	.01166	-.01226	.05190	-2.1886	-30647	-36876
.000	-.055	1.34984	.02533	.01366	.01166	-.01226	.05190	-2.1886	-30647	-36876
.002	3.963	1.34971	.02643	.01432	.01211	-.01274	.05439	-2.2869	-30066	-38321
GRADIENT	.00001	.00007	.00003	.00005	.00002	-.00002	.00020	-.00080	.00189	.00027

RUN NO	1684	0	RN/L	=	2.50	GRADIENT INTERVAL	=	-5.00/	5.00
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	ALPHA	BETA	MACH	CNB	CNEO	CNEF	CLMB	CAB	CPAD	CPAT	CPAS
	-7.923	4.000	1.34914	.03095	.01658	.01437	-.01510	.06299	-.26596	-.36004	-.35708
	-4.030	4.000	1.34986	.02942	.01583	.01359	-.01428	.06013	-.33756	-.34520	-.34520
	.018	3.999	1.35001	.02806	.01509	.01297	-.01363	.05732	-.24230	-.32774	-.33230
	4.044	3.998	1.35024	.02680	.01241	.01241	-.01305	.05463	-.23035	-.31859	-.34787
GRADIENT	.00005		.00032	-.00018	-.00018	-.00015	-.00015	-.00068	.00281	.00235	-.00033

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1685/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-7.947	1.39901	.02843	.01511	.01332	-.01399	.05741	-.24297	-.35229	-.42125
-4.002	-4.003	1.40015	.02697	.01438	.01259	-.01323	.05463	-.23068	-.32984	-.39840
-3.998	.013	1.39932	.02669	.01435	.01235	-.01298	.05450	-.22897	-.31257	-.40397
-4.000	4.045	1.40034	.02637	.01420	.01217	-.01279	.05393	-.22684	-.30364	-.39259
	GRADIENT	.00002	-.00008	-.00002	-.00005	.00005	-.00009	.00048	.00325	.00072

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1686/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.072	1.39962	.02673	.01431	.01242	-.01305	.05436	-.22883	-.33748	-.39187
.000	-4.061	1.40001	.02560	.01377	.01183	-.01244	.05230	-.22020	-.31140	-.36983
-.001	-.047	1.39994	.02555	.01378	.01177	-.01237	.05233	-.22062	-.30128	-.35630
-.002	3.945	1.39963	.02614	.01414	.01200	-.01262	.05372	-.22588	-.29394	-.37323
	GRADIENT	-.00005	.00007	.00005	.00002	-.00002	.00018	-.00071	.00218	-.00042

RUN NO. 1687/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-7.921	1.39943	.03076	.01649	.01427	-.01499	.06263	-.26456	-.35394	-.34857
4.001	-4.020	1.40011	.02867	.01542	.01325	-.01393	.05857	-.24738	-.32968	-.33984
3.998	.018	1.40033	.02745	.01474	.01270	-.01335	.05600	-.23694	-.31903	-.32479
4.001	4.045	1.39965	.02726	.01467	.01260	-.01324	.05572	-.23595	-.31448	-.33598
	GRADIENT	-.00006	-.00017	-.00009	-.00008	.00009	-.00035	.00142	.00188	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

PARAMETRIC DATA

MACH	=	1.550	IEABOX	=	180.000
IB-ELV	=	8.000	OB-ELV	=	5.000

RIIN NO	1689/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
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	ALPHA	BETA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
	-8.011	1.54818	.02716	.01449	.01268	-.01332	.05503	-.32157	-	-	-38737
	-4.167	1.55002	.02658	.01422	.01236	-.01299	.05402	-.25384	-	-	-36361
	.021	1.54956	.02505	.01340	.01165	.01224	.05090	-.29295	-	-	-38315
	4.094	1.54924	.02427	.01300	.01127	-.01184	.04939	-.27589	-	-	-37618
GRADIENT	-	.00028	-.00028	-.00010	-.00013	.00014	-.00056	.00253	-.00410	-	.00154

RUN NO.	1690	0	RN/L	=	2.50	GRADIENT INTERVAL	=	-5.00/
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	BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
	.002	-7.996	1.54918	.02494	.01329	.01164	-.01224	.05048	-.21220	-.31184	-.35691
	.000	-3.958	1.54903	.02438	.01130	.01128	-.01185	.04975	-.20378	-.29718	-.33837
	-.000	.061	1.54879	.02440	.01315	.01125	-.01183	.04993	-.21048	-.28290	-.33281
	-.001	4.047	1.54894	.02420	.01301	.01119	-.01176	.04943	-.20827	-.27222	-.34985
GRADIENT	-.0001	-.00001	-.00002	-.00001	-.00001	-.00001	-.00001	-.00004	-.00019	-.00312	-.00143

RUN NO.	1691/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/
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	ALPHA	BETA	MACH	CNE	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
	-8.002	1.54857	.02682	.01434	.01248	-.01312	.05446	-.32985	-.32300	-.32091	
	-4.161	1.54993	.02629	.01408	.01222	-.01284	.05346	-.26226	-.31118	-.31385	
	.019	1.55010	.02756	.01483	.01273	-.01338	.05631	-.30348	-.30307	-.30307	
	4.142	1.54941	.02621	.01411	.01209	-.01271	.05361	-.22787	-.29131	-.31607	
GRADIENT	-.00006	-.00001	-.00001	.00001	-.00001	-.00001	.00002	-.00020	.00239	-.00026	

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC00A8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.073	.59896	.01864	.01088	.00776	-.00819	.04133	-.17803	-.22791	-.20941
-3.996	-3.989	.60022	.01574	.00933	.00641	-.00677	.03543	-.15324	-.20768	-.18931
-3.999	-.002	.60082	.01320	.00798	.00522	-.00552	.03033	-.12989	-.20017	-.17801
-3.997	3.972	.59971	.01065	.00658	.00407	-.00431	.02497	-.10765	-.18737	-.15077
	GRADIENT	-.00006	-.00064	-.00035	-.00029	.00031	-.00131	.00573	.00255	.00484

RUN NO. 1587/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.900	.59985	.01422	.00857	.00565	-.00598	.03254	-.14065	-.22642	-.21348
.001	-3.943	.60013	.01178	.00719	.00459	-.00486	.02730	-.11865	-.20460	-.17329
.000	-.017	.60093	.00988	.00599	.00390	-.00412	.02275	-.09961	-.19297	-.15241
.003	4.067	.59978	.00845	.00536	.00310	-.00329	.02035	-.08663	-.18312	-.13303
	GRADIENT	-.00005	-.00041	-.00023	-.00019	.00020	-.00087	.00399	.00268	.00502

RUN NO. 1588/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.092	.59958	.01687	.00989	.00698	-.00737	.03756	-.16430	-.23538	-.16468
3.997	-3.992	.60120	.01440	.00858	.00582	-.00614	.03261	-.14150	-.21104	-.14036
3.999	-.009	.60030	.01223	.00731	.00492	-.00520	.02778	-.11988	-.20572	-.13366
4.000	3.965	.60006	.00956	.00577	.00380	-.00401	.02190	-.09498	-.19034	-.12700
	GRADIENT	-.00014	-.00061	-.00035	-.00025	.00027	-.00135	.00585	.00260	.00168

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC00A9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.095	.79892	.01835	.01055	.00780	-.00822	.04008	-.17190	-.21814	-.18751
-3.998	-4.042	.80070	.01450	.00852	.00598	-.00632	.03235	-.13778	-.19710	-.16357
-3.985	-.055	.79994	.01215	.00724	.00491	-.00519	.02749	-.11622	-.18190	-.15053
-4.006	3.936	.80011	.01000	.00608	.00392	-.00415	.02311	-.09844	-.16574	-.13325
	GRADIENT	-.00007	-.00056	-.00031	-.00026	.00027	-.00116	.00493	.00393	.00380

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.054	.79972	.01446	.00860	.00587	-.00620	.03266	-.14026	-.21769	-.17801
.001	-3.912	.80003	.01146	.00681	.00466	-.00492	.02585	-.11224	-.19216	-.14264
-.000	-.005	.79989	.00969	.00580	.00390	-.00412	.02202	-.09615	-.17722	-.11988
-.001	4.088	.79951	.00759	.00466	.00293	-.00311	.01769	-.07613	-.16266	-.11506
	GRADIENT	-.00006	-.00048	-.00027	-.00022	.00023	-.00102	.00452	.00369	.00343

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.090	.79905	.01727	.01017	.00710	-.00749	.03863	-.16625	-.22075	-.12896
3.995	-4.045	.80047	.01427	.00854	.00573	-.00606	.03243	-.13795	-.19915	-.11572
3.985	-.051	.80024	.01189	.00710	.00479	-.00506	.02698	-.11337	-.18700	-.10989
4.008	3.923	.80004	.00956	.00572	.00384	-.00406	.02173	-.09340	-.16917	-.10619
	GRADIENT	-.00005	-.00059	-.00035	-.00024	.00025	-.00134	.00559	.00376	.00120

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TCO080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1593/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.097	.89967	.01762	.01016	.00746	-.00787	.03860	-.16343	-.21165	-.16973
-4.000	-4.074	.90041	.01362	.00801	.00561	-.00593	.03041	-.12888	-.18699	-.14340
-3.985	.017	.90007	.01121	.00659	.00462	-.00488	.02505	-.10640	-.17271	-.12633
-4.001	3.998	.89982	.00922	.00553	.00369	-.00390	.02101	-.08907	-.15427	-.11446
	GRADIENT	-.00007	-.00055	-.00031	-.00024	.00025	-.00116	.00493	.00405	.00359

RUN NO. 1594/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.022	.89965	.01409	.00821	.00589	-.00621	.03118	-.13319	-.20793	-.15333
-.001	-4.048	.90019	.01113	.00653	.00460	-.00485	.02480	-.10677	-.17965	-.12214
-.000	.004	.90022	.00933	.00538	.00394	-.00416	.02045	-.08941	-.16641	-.09556
-.001	4.093	.89953	.00704	.00407	.00297	-.00313	.01546	-.06908	-.15102	-.10152
	GRADIENT	-.00008	-.00050	-.00030	-.00020	.00021	-.00115	.00463	.00352	.00253

RUN NO. 1595/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.093	.89975	.01736	.01006	.00730	-.00770	.03820	-.16205	-.21560	-.11058
3.999	-4.075	.90015	.01372	.00811	.00561	-.00592	.03081	-.13019	-.19296	-.09669
3.990	.028	.90028	.01119	.00663	.00456	-.00481	.02520	-.10733	-.17565	-.09369
3.997	3.991	.89975	.00946	.00560	.00386	-.00407	.02128	-.09048	-.15451	-.09645
	GRADIENT	-.00005	-.00053	-.00031	-.00022	.00023	-.00118	.00493	.00476	.00003

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-7.987	.94889	.01644	.00941	.00703	-.00741	.03575	-.14994	-.2052	-.15171
-3.999	-4.075	.95054	.01271	.00732	.00539	-.00568	.02782	-.11637	-.17858	-.12847
-3.989	.053	.95202	.01029	.00586	.00443	-.00467	.02227	-.09380	-.16656	-.11651
-3.996	3.979	.94797	.00834	.00472	.00362	-.00382	.01792	-.07670	-.15608	-.10608
	GRADIENT	-.00031	-.00054	-.00032	-.00022	.00023	-.00123	.00493	.00279	.00278

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.063	.94951	.01446	.00825	.00621	-.00655	.03133	-.13458	-.19459	-.13927
.001	-4.044	.95092	.01026	.00595	.00431	-.00454	.02260	-.09687	-.17268	-.11465
-.000	-.033	.95100	.00818	.00458	.00361	-.00380	.01738	-.07483	-.15956	-.08507
.002	3.973	.94905	.00595	.00328	.00267	-.00281	.01245	-.05575	-.13961	-.08690
	GRADIENT	-.00023	-.00054	-.00033	-.00020	.00022	-.00127	.00513	.00412	.00346

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.098	.94905	.01686	.00970	.00716	-.00755	.03683	-.15489	-.20456	-.09798
3.998	-4.090	.94995	.01366	.00795	.00571	-.00602	.03021	-.12574	-.17613	-.08402
3.989	.075	.95231	.01109	.00643	.00466	-.00492	.02443	-.10204	-.16306	-.07873
4.002	3.987	.94778	.00823	.00460	.00364	-.00383	.01746	-.07450	-.15058	-.08025
	GRADIENT	-.00026	-.00067	-.00042	-.00026	.00027	-.00158	.00634	.00316	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC00B2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1599/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 1.050		IEABOX = 180.000		
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.068	1.04861	.01983	.01108	.00875	-.00922	.04209	-.17500	-.21446	-.13774
-4.001	-4.084	1.05145	.01705	.00962	.00743	-.00783	.03653	-.15180	-.19936	-.12730
-3.999	.010	1.05076	.01505	.00846	.00567	-.00694	.03212	-.13269	-.18940	-.10818
-3.997	4.021	1.04968	.01287	.00719	.00567	-.00598	.02731	-.11136	-.17994	-.08609
	GRADIENT	-.00022	-.00052	-.00030	-.00022	.00023	-.00114	.00499	.00240	.00508
RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-7.989	1.04976	.01672	.00922	.00750	-.00789	.03502	-.14809	-.21281	-.14492
-0.000	-4.068	1.05068	.01560	.00853	.00707	-.00744	.03239	-.13562	-.21163	-.11969
-0.001	-.028	1.05043	.01448	.00796	.00652	-.00686	.03023	-.12513	-.20018	-.09075
-0.002	3.956	1.04928	.01111	.00604	.00507	-.00533	.02295	-.09488	-.17457	-.08599
	GRADIENT	-.00017	-.00056	-.00031	-.00025	.00026	-.00118	.00507	.00461	.00421
RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00										
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.068	1.04843	.01928	.01065	.00863	-.00908	.04044	-.16777	-.21483	-.10337
4.002	-3.997	1.05037	.01706	.00938	.00768	-.00808	.03563	-.14695	-.18869	-.07788
4.004	.016	1.05178	.01607	.00884	.00723	-.00760	.03359	-.13860	-.18301	-.07165
4.009	4.050	1.04917	.01270	.00705	.00564	-.00594	.02679	-.11018	-.18016	-.06174
	GRADIENT	-.00015	-.00054	-.00029	-.00025	.00027	-.00110	.00457	.00106	.00201

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.056	1.09785	.02455	.01356	.01099	-.01157	.05150	-.21410	-.26138	-.19145
-4.001	-4.066	1.10133	.02039	.01129	.00909	-.00957	.04289	-.17867	-.23152	-.16702
-3.996	.014	1.10047	.01856	.01028	.00828	-.00872	.03905	-.16226	-.22654	-.14178
-4.003	4.049	1.09999	.01709	.00933	.00776	-.00816	.03543	-.14599	-.23291	-.10537
	GRADIENT	-.00017	-.00041	-.00024	-.00016	.00017	-.00092	.00403	-.00017	.00759

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.082	1.09873	.02047	.01119	.00928	-.00976	.04251	-.17926	-.25077	-.19329
-.001	-3.997	1.10181	.01793	.00972	.00822	-.00864	.03691	-.15495	-.23468	-.14773
-.001	-.045	1.10091	.01758	.00949	.00809	-.00850	.03605	-.14968	-.23088	-.12069
-.002	3.955	1.09950	.01649	.00881	.00767	-.00806	.03348	-.13904	-.22388	-.11580
	GRADIENT	-.00029	-.00018	-.00011	-.00007	.00007	-.00043	.00200	.00136	.00401

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.060	1.09631	.02586	.01398	.01189	-.01250	.05310	-.22059	-.25864	-.14935
4.000	-3.990	1.10231	.02115	.01140	.00974	-.01024	.04332	-.17905	-.22951	-.11015
4.000	.024	1.10085	.01945	.01045	.00900	-.00946	.03970	-.16408	-.22448	-.09756
3.999	4.019	1.09981	.01734	.00937	.00796	-.00837	.03560	-.14740	-.23175	-.10393
	GRADIENT	-.00031	-.00048	-.00025	-.00022	.00023	-.00096	.00395	-.00028	.00078

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1606/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.048	1.15214	.01814	.01011	.00804	-.00846	.03839	-.15936	-.20396	-.13151
-4.000	-4.079	1.15155	.01558	.00869	.00689	-.00725	.03303	-.13720	-.18456	-.11286
-4.001	.018	1.15074	.01410	.00782	.00628	-.00661	.02970	-.12314	-.18093	-.08961
-4.003	4.038	1.14992	.01270	.00702	.00569	-.00598	.02666	-.10964	-.18697	-.06324
	GRADIENT	-.00020	-.00035	-.00021	-.00015	.00016	-.00078	.00340	-.00029	.00611

RUN NO. 1607/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.102	1.14908	.01529	.00839	.00690	-.00726	.03187	-.13459	-.20075	-.13994
-.001	-4.085	1.15101	.01350	.00734	.00616	-.00648	.02786	-.11686	-.19187	-.10101
-.001	-.038	1.15085	.01295	.00697	.00598	-.00629	.02646	-.10965	-.19029	-.07514
-.002	3.990	1.14989	.01191	.00637	.00554	-.00582	.02420	-.10015	-.18119	-.07544
	GRADIENT	-.00014	-.00020	-.00012	-.00008	.00008	-.00045	.00207	.00132	.00317

RUN NO. 1608/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.046	1.14840	.01887	.01023	.00864	-.00908	.03885	-.16107	-.19901	-.09202
3.997	-4.067	1.15055	.01634	.00882	.00752	-.00790	.03351	-.13810	-.18191	-.05892
4.000	.018	1.15058	.01504	.00809	.00695	-.00731	.03072	-.12679	-.17597	-.04811
4.008	4.068	1.15025	.01306	.00706	.00599	-.00630	.02683	-.11028	-.18534	-.05841
	GRADIENT	-.00004	-.00040	-.00022	-.00019	.00020	-.00082	.00342	-.00042	.00007

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1609/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.030	1.24963	.01725	.00962	.00763	-.00803	.03656	-.15234	-.20233	-.12960
-4.000	-4.081	1.25012	.01523	.00845	.00678	-.00714	.03208	-.13287	-.18046	-.09483
-4.001	.017	1.24986	.01386	.00763	.00624	-.00656	.02898	-.11980	-.18175	-.06563
-4.002	4.063	1.24980	.01233	.00670	.00563	-.00592	.02544	-.10548	-.18712	-.04326
	GRADIENT	-.00004	-.00036	-.00021	-.00014	.00015	-.00082	.00336	-.00082	.00633

RUN NO. 1610/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.102	1.24917	.01434	.00786	.00647	-.00681	.02986	-.12636	-.19782	-.14339
-.001	-4.077	1.25054	.01325	.00719	.00606	-.00637	.02732	-.11465	-.18406	-.09770
-.001	.024	1.25039	.01282	.00687	.00596	-.00626	.02609	-.10833	-.18363	-.06196
.001	3.962	1.24951	.01216	.00649	.00566	-.00595	.02466	-.10202	-.18083	-.06451
	GRADIENT	-.00013	-.00014	-.00009	-.00005	.00005	-.00033	.00157	.00040	.00416

RUN NO. 1611/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.025	1.24927	.01828	.00998	.00830	-.00873	.03789	-.15769	-.19424	-.09066
3.998	-4.094	1.25036	.01637	.00889	.00748	-.00787	.03376	-.13931	-.17897	-.06155
4.000	.024	1.25010	.01470	.00790	.00680	-.00715	.03002	-.12398	-.17561	-.04983
4.006	4.076	1.24986	.01293	.00691	.00602	-.00633	.02623	-.10801	-.18263	-.05461
	GRADIENT	-.00006	-.00042	-.00024	-.00018	.00019	-.00092	.00383	-.00045	.00085

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.024	1.24929	.00705	.00406	.00299	-.00315	.01543	-.06294	-.10790	-.01899
-4.002	-4.095	1.25022	.00578	.00317	.00261	-.00275	.01204	-.04843	-.09305	.01473
-3.995	.013	1.24988	.00483	.00240	.00243	-.00255	.00910	-.03638	-.09697	.05548
-3.997	4.054	1.24978	.00392	.00188	.00204	-.00213	.00714	-.02883	-.10974	.09300
	GRADIENT	-.00005	-.00023	-.00016	-.00007	.00008	-.00060	.00241	-.00205	.00961

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.000	1.24962	.00558	.00304	.00254	-.00267	.01156	-.04838	-.10144	-.00954
.001	-4.073	1.24990	.00518	.00266	.00252	-.00265	.01009	-.04194	-.10501	.02185
-.000	-.034	1.25020	.00449	.00225	.00224	-.00234	.00856	-.03523	-.10255	.05973
-.002	3.945	1.24961	.00349	.00171	.00178	-.00187	.00648	-.02656	-.10543	.05760
	GRADIENT	-.00004	-.00021	-.00012	-.00009	.00010	-.00045	.00192	-.00005	.00447

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.034	1.24907	.00752	.00411	.00341	-.00359	.01561	-.06387	-.09335	-.00174
4.000	-4.008	1.25008	.00492	.00273	.00219	-.00230	.01036	-.04199	-.09441	.03645
3.994	.016	1.25008	.00456	.00241	.00215	-.00226	.00917	-.03774	-.08459	.04285
4.007	4.082	1.25002	.00427	.00225	.00202	-.00212	.00855	-.03479	-.10421	.04510
	GRADIENT	-.00001	-.00008	-.00006	-.00002	.00002	-.00022	.00089	-.00122	.00107

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,3

(TC0087) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.024	1.29910	.00798	.00454	.00344	-.00362	.01724	-.07065	-.11420	-.02132
-4.000	-4.082	1.30014	.00659	.00363	.00296	-.00312	.01379	-.05590	-.09768	.01142
-3.996	.017	1.29971	.00555	.00278	.00277	-.00290	.01058	-.04228	-.10228	.05047
-3.999	4.030	1.29963	.00464	.00226	.00238	-.00249	.00860	-.03491	-.11839	.08425
	GRADIENT	-.00006	-.00024	-.00017	-.00007	.00008	-.00064	.00259	-.00255	.00898

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.993	1.30009	.00606	.00328	.00278	-.00293	.01246	-.05178	-.10889	-.01262
.001	-4.064	1.30005	.00592	.00306	.00286	-.00300	.01163	-.04837	-.10857	.02091
-.001	-.062	1.29957	.00535	.00269	.00267	-.00280	.01021	-.04205	-.10908	.05219
-.002	3.945	1.29941	.00413	.00205	.00208	-.00218	.00777	-.03190	-.11239	.04968
	GRADIENT	-.00008	-.00022	-.00013	-.00010	.00010	-.00048	.00206	-.00048	.00359

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.015	1.29915	.00809	.00441	.00367	-.00386	.01676	-.06882	-.09910	-.00610
4.000	-4.014	1.29987	.00659	.00351	.00308	-.00323	.01335	-.05526	-.08230	.02872
3.995	.020	1.30017	.00509	.00270	.00240	-.00252	.01024	-.04245	-.08834	.04180
3.997	4.027	1.30003	.00476	.00248	.00229	-.00240	.00941	-.03841	-.10988	.04162
	GRADIENT	.00002	-.00023	-.00013	-.00010	.00010	-.00049	.00210	-.00343	.00161

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1662/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-7.902	1.34927	.00801	.00453	.00348	-.00367	.01719	-.07060	-.11196	-.02298
-4.000	-4.028	1.35009	.00671	.00361	.00310	-.00326	.01370	-.05531	-.09937	.01199
-3.999	.019	1.34962	.00567	.00283	.00285	-.00298	.01074	-.04307	-.10434	.05100
-4.000	4.043	1.34934	.00473	.00230	.00242	-.00254	.00875	-.03539	-.11825	.08255
	GRADIENT	-.00009	-.00025	-.00016	-.00008	.00009	-.00061	.00247	-.00234	.00874

RUN NO. 1663/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.100	1.34967	.00599	.00321	.00278	-.00292	.01219	-.05048	-.10932	-.01330
-.001	-4.008	1.35039	.00599	.00306	.00293	-.00308	.01161	-.04837	-.10643	.02359
-.001	-.008	1.34983	.00529	.00262	.00267	-.00280	.00995	-.04093	-.11046	.05295
-.002	3.947	1.34998	.00450	.00224	.00227	-.00237	.00850	-.03489	-.11346	.04890
	GRADIENT	-.00005	-.00019	-.00010	-.00008	.00009	-.00039	.00169	-.00088	.00319

RUN NO. 1664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.025	1.34947	.00827	.00446	.00381	-.00401	.01693	-.06979	-.09749	-.00623
3.999	-4.010	1.35031	.00666	.00354	.00313	-.00328	.01344	-.05574	-.08341	.02797
3.998	.024	1.34994	.00571	.00298	.00273	-.00287	.01133	-.04692	-.08998	.03778
3.997	4.030	1.35008	.00502	.00258	.00244	-.00256	.00979	-.03986	-.10814	.03639
	GRADIENT	-.00003	-.00020	-.00012	-.00008	.00009	-.00045	.00198	-.00307	.00105

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC00B9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-7.908	1.39934	.00812	.00460	.00352	-.00371	.01747	-.07100	-.11869	-.03018
-3.998	-4.082	1.40011	.00708	.00383	.00325	-.00342	.01455	-.05892	-.09938	.00943
-3.997	.020	1.39960	.00567	.00287	.00281	-.00294	.01089	-.04365	-.10460	.04690
-4.002	4.043	1.40015	.00523	.00259	.00264	-.00276	.00984	-.03969	-.12022	.08002
	GRADIENT	.00000	-.00023	-.00015	-.00008	.00008	-.00058	.00237	-.00256	.00869

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.085	1.40019	.00633	.00341	.00292	-.00307	.01296	-.05350	-.11054	-.01178
.000	-4.076	1.40009	.00649	.00334	.00315	-.00331	.01269	-.05289	-.10728	.02507
-.001	-.007	1.40035	.00579	.00291	.00288	-.00302	.01104	-.04572	-.11310	.05575
-.002	3.958	1.39982	.00514	.00259	.00256	-.00268	.00983	-.04023	-.11670	.05369
	GRADIENT	-.00003	-.00017	-.00009	-.00007	.00008	-.00036	.00158	-.00117	.00358

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.035	1.39995	.00814	.00444	.00370	-.00389	.01687	-.06945	-.09764	-.01137
3.997	-4.005	1.39998	.00693	.00371	.00323	-.00339	.01407	-.05833	-.08494	.02624
3.996	.026	1.39995	.00571	.00301	.00270	-.00284	.01142	-.04741	-.09105	.03798
4.000	4.038	1.40014	.00533	.00275	.00258	-.00271	.01045	-.04277	-.11099	.03497
	GRADIENT	.00002	-.00020	-.00012	-.00008	.00009	-.00045	.00194	-.00324	.00109

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TCDOCO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.051	-8.110	1.54951	.00661	.00373	.00288	-.00303	.01417	-.05883	-.11645	-.04203
-4.075	-4.155	1.54895	.00708	.00375	.00333	-.00350	.01425	-.05747	-.10210	.00867
-4.096	.021	1.54913	.00543	.00273	.00270	-.00283	.01038	-.04138	-.10739	.02919
-4.069	4.094	1.54862	.00535	.00264	.00271	-.00284	.01003	-.04000	-.11990	.07462
	GRADIENT	-.00004	-.00021	-.00014	-.00008	.00008	-.00051	.00212	-.00215	.00798

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.880	1.54922	.00671	.00361	.00310	-.00326	.01373	-.05683	-.11363	-.02014
.001	-3.973	1.54934	.00645	.00331	.00315	-.00330	.01256	-.05215	-.10405	.02506
-.000	.057	1.54957	.00599	.00302	.00296	-.00311	.01149	-.04748	-.11138	.04681
-.001	4.055	1.54854	.00562	.00281	.00281	-.00295	.01068	-.04343	-.11347	.05836
	GRADIENT	-.00010	-.00010	-.00006	-.00004	.00004	-.00023	.00109	-.00117	.00415

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.048	-8.120	1.54847	.00722	.00394	.00329	-.00346	.01495	-.06193	-.09913	-.01276
4.072	-4.069	1.54899	.00651	.00351	.00300	-.00315	.01334	-.05536	-.08384	.01955
4.096	.015	1.54953	.00553	.00296	.00258	-.00271	.01123	-.04658	-.08799	.03528
4.069	4.101	1.54814	.00585	.00311	.00274	-.00288	.01180	-.04857	-.12023	.02598
	GRADIENT	-.00010	-.00008	-.00005	-.00003	.00003	-.00019	.00083	-.00445	.00079

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C1) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0300	

MACH	=	.600	IEABOX	=	999.000
IB-ELV	=	10.000	OB-ELV	=	5.000

PARAMETRIC DATA

RUN NO.	1477/	0	RN/L	=	2.51	GRADIENT INTERVAL =				-5.00/	5.00/
MACH			CNB		CNBO	CNBF	CLMB		CAB		CPAO
.60094			.01817		.01060	.00757	-.00798		.04028		-.1735
.60092			.01588		.00930	.00658	-.00695		.03532		-.15165
.60139			.01363		.00818	.00545	-.00576		.03106		-.13271
.59983			.01219		.00759	.00460	-.00487		.02884		-.1244
.00044			.00047		.00022	-.00025	-.00026		-.00082		.00344

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	GRADIENT	INTERVAL	=	-5.00/	5.00
- .000	-7.941	.59914	.01546	.00923	.00623	-.00659	CAB				CPAO
- .002	-3.933	.59975	.01242	.00752	.00491	-.00519	.03506				-.1515
- .003	.066	.60061	.01036	.00627	.00409	-.00430	.02855				-.1241
- .003	4.031	.60002	.00875	.00554	.00321	-.00343	.02382				-.1044
	GRADIENT	.00003	-.00046	-.00025	-.00021	-.00022	.02104				-.0902
							-.00094				.0042

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD
3.995	-8.026	.59951	.01732	.01018	.00714	-.00753	.03868	-.16855
3.991	-3.987	.60116	.01494	.00894	.00600	-.00634	.03397	-.1473
3.984	-.017	.60023	.01272	.00765	.00507	-.00536	.02907	-.1257
3.989	3.996	.59938	.01065	.00634	.00431	-.00455	.02408	-.1043
	GRADIENT	.00022	-.00054	-.00033	-.00021	.00022	-.00124	.0053

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-7.987	.89870	.01836	.01037	.00798	-.00841	.03940	-.16610	-.22542	-.15408	
-4.010	-3.864	.90090	.01429	.00813	.00617	-.00650	.03088	-.13033	-.19821	-.13380	
-4.002	.109	.90022	.01203	.00691	.00512	-.00540	.02625	-.11166	-.18372	-.11784	
-4.006	4.139	.89973	.01016	.00615	.00401	-.00424	.02337	-.10001	-.16200	-.11605	
	GRADIENT	-.00015	-.00052	-.00025	-.00027	.00028	-.00094	.00379	.00453	.00221	
RUN NO. 1481/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00											
BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-7.890	.89961	.01465	.00851	.00613	-.00647	.03233	-.13872	-.22188	-.14649	
-4.004	-3.896	.89980	.01190	.00690	.00499	-.00526	.02625	-.11308	-.19414	-.11479	
-4.003	-.025	.90000	.01009	.00578	.00430	-.00454	.02197	-.09593	-.17546	-.09270	
-4.006	3.958	.89965	.00798	.00454	.00343	-.00362	.01726	-.07691	-.16051	-.10006	
	GRADIENT	-.00002	-.00050	-.00030	-.00020	.00021	-.00114	.00461	.00428	.00186	
RUN NO. 1482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00											
BETA		ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.989	-7.951	.89942	.01789	.01034	.00756	-.00797	.03927	-.16663	-.22927	-.11080	
3.986	-4.007	.90046	.01419	.00835	.00585	-.00617	.03171	-.13432	-.20378	-.09280	
3.974	.059	.90005	.01184	.00699	.00485	-.00512	.02657	-.11314	-.18881	-.09295	
3.994	3.987	.89990	.01012	.00593	.00419	-.00442	.02253	-.09625	-.16877	-.09921	
	GRADIENT	-.00007	-.00051	-.00030	-.00021	.00022	-.00115	.00476	.00438	-.00080	
RUN NO. 1483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00											

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1484/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.026	1.09607	.02515	.01393	.01122	-.01181	.05292	-.21996	-.27312	-.18468
-4.014	-3.877	1.10072	.02103	.01164	.00940	-.00989	.04420	-.18414	-.24411	-.16346
-4.012	.095	1.10138	.01946	.01076	.00870	-.00916	.04086	-.17024	-.24019	-.14120
-3.988	4.089	1.09933	.01823	.01001	.00823	-.00866	.03800	-.15678	-.24212	-.11540
	GRADIENT	-.00017	-.00035	-.00020	-.00015	.00015	-.00078	.00344	.00025	.00603

RUN NO. 1485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.001	-8.035	1.09775	.02141	.01168	.00973	-.01023	.04438	-.18713	-.26270	-.19573
-.003	-4.041	1.10138	.01899	.01031	.00868	-.00912	.03917	-.16459	-.24533	-.15115
-.004	-.034	1.10105	.01850	.01002	.00847	-.00891	.03807	-.15823	-.24479	-.12758
-.004	3.957	1.10022	.01723	.00927	.00796	-.00837	.03520	-.14638	-.23283	-.12766
	GRADIENT	-.00014	-.00022	-.00013	-.00009	.00009	-.00050	.00228	.00156	.00294

RUN NO. 1486/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-7.989	1.09737	.02640	.01430	.01210	-.01272	.05432	-.22598	-.26248	-.14919
3.993	-3.979	1.10115	.02194	.01187	.01007	-.01059	.04508	-.18645	-.24064	-.10984
3.985	.035	1.10121	.02016	.01086	.00930	-.00977	.04126	-.17071	-.23536	-.10135
3.995	4.049	1.09989	.01849	.01001	.00848	-.00891	.03803	-.15744	-.24104	-.11413
	GRADIENT	-.00016	-.00043	-.00023	-.00020	.00021	-.00088	.00361	-.00005	-.00053

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1488/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .003	-1.075	1.14977	.01379	.00741	.00639	-.00671	.02814	.00000	.00000	.00000
-4.002	-8.008	1.14530	.01902	.01060	.00842	-.00887	.04026	-.16724	-.21785	-.12894
-4.021	-3.846	1.15049	.01602	.00892	.00710	-.00747	.03389	-.14089	-.19752	-.11086
-4.003	.112	1.15104	.01491	.00823	.00668	-.00703	.03126	-.13015	-.19700	-.08297
-4.008	4.185	1.14981	.01387	.00768	.00619	-.00651	.02919	-.12043	-.19824	-.06578
GRADIENT		-.00008	-.00027	-.00015	-.00011	.00012	-.00059	.00255	-.00009	.00561

RUN NO. 1489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .001	-8.008	1.14795	.01585	.00867	.00718	-.00756	.03292	-.13905	-.21036	-.14181
- .001	-4.042	1.15067	.01423	.00771	.00652	-.00686	.02928	-.12277	-.20056	-.09854
- .005	-.017	1.15069	.01395	.00750	.00646	-.00679	.02847	-.11804	-.20376	-.07596
- .005	4.081	1.14985	.01270	.00681	.00589	-.00619	.02586	-.10734	-.19093	-.09084
GRADIENT		-.00010	-.00019	-.00011	-.00008	.00008	-.00042	.00190	.00119	.00093

RUN NO. 1490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.993	-8.052	1.14749	.01974	.01067	.00907	-.00954	.04051	-.16807	-.20748	-.09426
3.990	-3.976	1.15045	.01687	.00911	.00776	-.00816	.03460	-.14280	-.19219	-.05919
3.989	.032	1.15068	.01569	.00840	.00728	-.00766	.03191	-.13178	-.18854	-.05153
3.994	4.066	1.15017	.01410	.00758	.00653	-.00686	.02878	-.11812	-.19309	-.06791
GRADIENT		-.00004	-.00034	-.00019	-.00015	.00016	-.00072	.00307	-.00011	-.00109

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC00C5) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
MACH	=	1.250						
IB-ELV	=	10.000						
IEABOX	=	999.000						
OB-ELV	=	5.000						

PARAMETRIC DATA

[illegible]

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .001	-8.025	1.24899	.01474	.00803	.00671	-.00705	.03051	-.12905	-.20615	-.14503
- .003	-5.125	1.25008	.01403	.00761	.00642	-.00675	.02890	-.12151	-.19327	-.10950
- .003	-4.035	1.25018	.01374	.00742	.00632	-.00659	.02735	-.11814	-.19049	-.09461
- .005	.010	1.25003	.01347	.00720	.00627	-.00659	.02735	-.11333	-.19235	-.06741
GRADIENT		.00004	-.00007	-.00006	-.00001	.00001	-.00021	.00119	-.00046	-.00672

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.991	-8.076	1.24901	.01894	.01027	.00867	-.00912	.03901	-.16253	-.20122	-.09268
3.994	-3.974	1.25019	.01688	.00911	.00777	-.00817	.03460	-.14298	-.18576	-.05985
3.994	.044	1.25023	.01532	.00822	.00710	-.00747	.03120	-.18622	-.05405	-.04205
4.000	4.097	1.24983	.01369	.00727	.00642	-.00674	.02762	-.11386	-.19077	-.06250
GRADIENT		-.00005	-.00039	-.00023	-.00017	.00018	-.00086	.00361	-.00062	-.00033

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC00C6) (13 APR 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
				MACH	=	1.250		IEABOX = 999.000
				IB-ELV	=	10.000		OB-ELV = 5.000

PARAMETRIC DATA

ALPHA	RUN NO.	1501/ 0	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAD	CPAT	CPAS
		MACH	CNB	CNBO	CNBF	CLMB	CAB			
-7.871		1.24879	.00716	.00410	.00305	-.00322	.01559	-.06389	-.11464	-.01427
-3.829		1.25046	.00589	.00317	.00272	-.00286	.01202	-.04875	-.09792	.01680
.154		1.25006	.00503	.00251	.00251	-.00263	.00959	-.03897	-.10874	.05481
4.108		1.24964	.00422	.00208	.00214	-.00224	.00791	-.03251	-.11729	.08653
GRADIENT		-.00010	-.00021	-.00014	-.00017	.00008	-.00052	.00205	-.00244	.00879

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .000	-8.015	1.24890	.00586	.00315	.00272	-.00285	.01195	-.04971	-.10756	-.01499
- .002	-5.122	1.25039	.00545	.00282	.00263	-.00276	.01072	-.04468	-.10640	.00879
- .002	-4.023	1.25016	.00536	.00272	.00264	-.00277	.01035	-.04303	-.10484	.02274
- .003	.008	1.25006	.00504	.00250	.00253	-.00266	.00951	-.03907	-.10393	.05471
GRADIENT		- .00002	- .00008	- .00005	- .00003	.00003	- .00021	.00098	.00023	.00793

BETA	ALPHA	MACH	CNSB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.986	-8.066	1.24898	.00830	.00443	.00387	-.00407	.01684	-.06854	-.09571	-.00559
3.994	-3.964	1.25039	.00637	.00335	.00302	-.00317	.01272	-.05220	-.08449	.02941
3.989	.048	1.25020	.00499	.00261	.00238	-.00250	.00991	-.04085	-.09141	.04140
4.000	4.094	1.24574	.00478	.00244	.00233	-.00245	.00928	-.03768	-.11124	.03774
GRADIENT		-.00008	-.00020	-.00011	-.00008	.00009	-.00043	.00180	-.00332	.00103

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC00C7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.300 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.914	1.29910	.00812	.00460	.00352	-.00371	.01748	-.07166	-.12051	-.01899
-4.021	-3.833	1.29985	.00676	.00361	.00315	-.00331	.01371	-.05580	-.10396	.01385
-4.007	.117	1.30036	.00557	.00281	.00276	-.00289	.01068	-.04338	-.11173	.05307
-3.990	4.110	1.29976	.00498	.00249	.00250	-.00262	.00945	-.03907	-.12388	.08152
	GRADIENT	-.00001	-.00022	-.00014	-.00008	.00009	-.00054	.00210	-.00251	.00852

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-8.040	1.29929	.00647	.00347	.00300	-.00315	.01319	-.05476	-.11379	-.01617
-.002	-4.007	1.30018	.00618	.00314	.00304	-.00318	.01194	-.04985	-.11075	.02107
-.004	.021	1.30015	.00595	.00297	.00298	-.00313	.01128	-.04658	-.11143	.05165
-.004	3.995	1.29944	.00468	.00235	.00234	-.00245	.00892	-.03670	-.11990	.04244
	GRADIENT	-.00009	-.00019	-.00010	-.00009	.00009	-.00038	.00164	-.00114	.00268

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.994	-8.049	1.29904	.00912	.00490	.00422	-.00443	.01861	-.07634	-.10286	-.00846
3.991	-3.984	1.30020	.00720	.00379	.00341	-.00358	.01441	-.05957	-.08882	.02764
3.991	.056	1.30033	.00564	.00294	.00269	-.00283	.01117	-.04633	-.09510	.04157
3.998	4.091	1.29978	.00554	.00280	.00273	-.00286	.01065	-.04312	-.11808	.03497
	GRADIENT	-.00005	-.00021	-.00012	-.00008	.00009	-.00047	.00204	-.00362	.00091

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,3

(TC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.995	-7.861	1.39965	.00845	.00472	.00373	-.00393	.01794	-.07390	-.12330	-.01981
-4.021	-3.816	1.40070	.00701	.00375	.00327	-.00343	.01423	-.05800	-.10395	.01415
-4.001	.119	1.40036	.00642	.00326	.00316	-.00331	.01240	-.05013	-.11417	.04768
-3.992	4.109	1.39957	.00600	.00304	.00297	-.00311	.01154	-.04720	-.12755	.07172
	GRADIENT	-.00014	-.00013	-.00009	-.00004	.00004	-.00034	.00136	-.00298	.00726

RUN NO. 1513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-8.015	1.39954	.00693	.00371	.00322	-.00338	.01410	-.05822	-.12233	-.01364
-.001	-4.004	1.40014	.00708	.00363	.00345	-.00362	.01379	-.05739	-.11065	.02629
-.005	.018	1.40001	.00667	.00335	.00332	-.00348	.01273	-.05246	-.11843	.05472
-.004	3.996	1.39942	.00570	.00287	.00282	-.00296	.01091	-.04465	-.12257	.04832
	GRADIENT	-.00009	-.00017	-.00009	-.00008	.00008	-.00036	.00159	-.00149	.00276

RUN NO. 1514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.987	-8.061	1.39940	.00866	.00485	.00381	-.00402	.01841	-.07598	-.11931	-.00957
4.003	-3.974	1.40056	.00780	.00416	.00364	-.00383	.01579	-.06544	-.09148	.02572
3.997	.070	1.39980	.00643	.00337	.00306	-.00321	.01281	-.05308	-.09836	.03587
3.997	4.075	1.40025	.00608	.00314	.00294	-.00309	.01193	-.04868	-.11881	.03088
	GRADIENT	-.00004	-.00021	-.00013	-.00009	.00009	-.00048	.00208	-.00339	.00064

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0000) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.950	-7.869	1.54814	.00765	.00429	.00336	-.00354	.01630	-.06765	-.13042	-.03444
-3.932	-3.768	1.54965	.00720	.00378	.00342	-.00359	.01438	-.05891	-.11393	.01463
-3.906	.122	1.55050	.00660	.00343	.00317	-.00333	.01303	-.05287	-.11463	.04027
-3.908	4.054	1.54944	.00619	.00314	.00305	-.00320	.01194	-.04798	-.12431	.06462
	GRADIENT	-.00003	-.00013	-.00008	-.00005	.00005	-.00031	.00140	-.00133	.00639

RUN NO. 1516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-7.941	1.54847	.00714	.00387	.00328	-.00344	.01469	-.06074	-.12778	-.02135
-.002	-3.904	1.55005	.00724	.00373	.00352	-.00369	.01416	-.05866	-.11124	.02252
-.003	.114	1.54974	.00737	.00374	.00363	-.00381	.01419	-.05825	-.12279	.04373
-.006	4.096	1.54728	.00629	.00318	.00310	-.00325	.01209	-.04925	-.11644	.05250
	GRADIENT	-.00035	-.00012	-.00007	-.00005	.00005	-.00026	.00117	-.00065	.00375

RUN NO. 1517/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.036	-8.158	1.54800	.00817	.00450	.00367	-.00386	.01709	-.07090	-.11344	-.01115
4.063	-4.060	1.54934	.00786	.00423	.00362	-.00381	.01609	-.06692	-.09171	.01875
4.099	.059	1.54965	.00676	.00362	.00314	-.00330	.01376	-.05694	-.09614	.03503
4.066	4.140	1.54923	.00662	.00348	.00315	-.00331	.01320	-.05411	-.12704	.02241
	GRADIENT	-.00001	-.00015	-.00009	-.00006	.00006	-.00035	.00156	-.00430	.00045

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(TCOOD1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-8.095	.5982	.01790	.01063	.00727	-.00768	.04036	-.17387	-.23827	-.20280
-4.000	-4.003	.60092	.01533	.00908	.00625	-.00660	.03449	-.14822	-.21210	-.17705
-4.001	-.006	.60068	.01258	.00764	.00494	-.00523	.02900	-.12464	-.20019	-.16688
-4.003	3.976	.59947	.01047	.00641	.00406	-.00430	.02435	-.10498	-.18633	-.13964
	GRADIENT	-.00018	-.00061	-.00033	-.00027	.00029	-.00127	.00542	.00323	.00469

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.013	.59905	.01460	.00877	.00583	-.00617	.03331	-.14373	-.22570	-.20956
.001	-3.930	.60059	.01222	.00738	.00484	-.00512	.02805	-.12186	-.20566	-.16498
.001	-.002	.60120	.01004	.00614	.00389	-.00412	.02334	-.10181	-.19163	-.14313
-.000	4.066	.60024	.00871	.00535	.00336	-.00356	.02034	-.08782	-.17588	-.12741
	GRADIENT	-.00004	-.00044	-.00025	-.00018	.00019	-.00096	.00425	.00373	.00469

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.000	-8.092	.59864	.01798	.01052	.00747	-.00788	.03995	-.17425	-.23606	-.15853
3.996	-4.023	.60076	.01543	.00918	.00625	-.00661	.03487	-.15092	-.21131	-.13812
3.995	-.010	.60109	.01294	.00774	.00521	-.00550	.02939	-.12656	-.19794	-.13017
3.999	3.968	.60071	.01043	.00622	.00421	-.00445	.02363	-.10255	-.18082	-.12625
	GRADIENT	-.00001	-.00063	-.00037	-.00026	.00027	-.00141	.00605	.00381	.00149

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1724/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
-4.002	-8.097	.79825	.01809	.01049	.00761	-.00803	.03983	-.16974	-.22094	-.17232	
-3.999	-4.009	.80030	.01451	.00858	.00593	-.00626	.03260	-.13838	-.19792	-.14678	
-3.992	-.077	.80010	.01174	.00697	.00476	-.00503	.02649	-.11212	-.18559	-.13610	
-4.005	3.929	.79984	.00969	.00585	.00384	-.00406	.02222	-.09507	-.16817	-.11776	
	GRADIENT	-.00006	-.00061	-.00034	-.00026	-.00028	-.00131	.00545	.00375	.00366	
RUN NO. 1725/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
.003	-8.046	.80001	.01404	.00834	.00569	-.00601	.03169	-.13609	-.21485	-.17135	
.002	-4.008	.80042	.01183	.00702	.00481	-.00508	.02666	-.11534	-.19466	-.13384	
.001	-.015	.79953	.00998	.00595	.00403	-.00426	.02359	-.09812	-.18000	-.11216	
.000	4.075	.79937	.00807	.00487	.00319	-.00337	.01851	-.07975	-.16093	-.10657	
	GRADIENT	-.00013	-.00047	-.00027	-.00020	-.00021	-.00101	.00440	.00418	.00337	
RUN NO. 1726/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
3.999	-7.996	.79894	.01822	.01075	.00747	-.00789	.04081	-.17467	-.21992	-.11848	
4.001	-4.046	.80054	.01500	.00892	.00608	-.00642	.03387	-.14370	-.20075	-.10751	
3.991	-.059	.80067	.01229	.00738	.00492	-.00520	.02802	-.11762	-.18752	-.10278	
4.005	3.909	.79964	.01007	.00606	.00401	-.00424	.02302	-.09869	-.16267	-.09782	
	GRADIENT	-.00011	-.00062	-.00036	-.00026	-.00027	-.00136	.00566	.00479	.00122	

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1727/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
-4.000	-7.978	.89972	.01761	.01008	.00753	-.00794	.03828	-.16181	-.21646	-.15149	
-3.999	-4.072	.90030	.01376	.00806	.00570	-.00602	.03060	-.12926	-.19038	-.12692	
-3.991	-.008	.90020	.01097	.00643	.00454	-.00479	.02442	-.10370	-.17289	-.11043	
-3.997	3.991	.89994	.00896	.00536	.00361	-.00381	.02035	-.08656	-.15501	-.09548	
	GRADIENT	-.00004	-.00060	-.00034	-.00026	.00027	-.00127	.00530	.00439	.00390	
RUN NO. 1728/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
.004	-8.052	.90002	.01409	.00824	.00585	-.00618	.03129	-.13348	-.21417	-.15791	
.003	-4.055	.90042	.01106	.00647	.00459	-.00484	.02458	-.10544	-.18649	-.11456	
.002	-.028	.89989	.00909	.00526	.00384	-.00405	.01996	-.08659	-.16584	-.08364	
.001	3.958	.89956	.00702	.00400	.00302	-.00318	.01519	-.06795	-.14911	-.08944	
	GRADIENT	-.00011	-.00050	-.00031	-.00020	.00021	-.00117	.00468	.00466	.00314	
RUN NO. 1729/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00		CPAD		CPAT		CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS	
4.001	-7.958	.89999	.01806	.01054	.00752	-.00794	.04004	-.16894	-.21243	-.10428	
4.002	-4.055	.90005	.01430	.00844	.00586	-.00619	.03206	-.13480	-.19190	-.09193	
3.996	.008	.90093	.01119	.00665	.00454	-.00480	.02527	-.10723	-.17231	-.08756	
3.997	3.996	.89982	.00920	.00547	.00373	-.00394	.02078	-.08863	-.15265	-.08818	
	GRADIENT	-.00003	-.00063	-.00037	-.00027	.00028	-.00140	.00574	.00488	.00047	

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,2 (TCOOD4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

REFERENCE DATA		PARAMETRIC DATA									
		RUN NO. 1730/ 0 RN/L = 2.50					GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
-4.000	-8.094	.94911	.01628	.00931	.00697	-.00734	.03536	-.14807	-.20496	-.13184	
-4.002	-4.078	.95033	.01249	.00716	.00533	-.00562	.02721	-.11380	-.18116	-.11015	
-3.994	.033	.95112	.00991	.00564	.00427	-.00450	.02143	-.09013	-.16849	-.09440	
-3.998	3.993	.94913	.00816	.00461	.00355	-.00374	.01751	-.07495	-.15457	-.07917	
	GRADIENT	-.00015	-.00054	-.00032	-.00022	.00023	-.00120	.00482	.00329	.00384	
		RUN NO. 1731/ 0 RN/L = 2.49					GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
.003	-8.058	.95008	.01368	.00783	.00584	-.00616	.02975	-.12740	-.20231	-.13670	
.002	-4.047	.95023	.01008	.00582	.00425	-.00449	.02211	-.09435	-.17568	-.09556	
.001	-.021	.94975	.00795	.00443	.00352	-.00371	.01683	-.07246	-.15998	-.07145	
.000	3.976	.94891	.00552	.00302	.00250	-.00263	.01149	-.05145	-.13589	-.07290	
	GRADIENT	-.00016	-.00057	-.00035	-.00022	.00023	-.00132	.00535	.00496	.00283	
		RUN NO. 1732/ 0 RN/L = 2.50					GRADIENT INTERVAL = -5.00/ 5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
3.997	-7.943	.95005	.01723	.00993	.00729	-.00769	.03773	-.15849	-.20240	-.09541	
4.000	-4.054	.95032	.01387	.00804	.00583	-.00615	.03055	-.12666	-.18189	-.07947	
3.989	.042	.95009	.01066	.00618	.00448	-.00472	.02348	-.09804	-.16783	-.06805	
4.001	3.987	.94874	.00780	.00433	.00347	-.00365	.01646	-.07025	-.14673	-.07032	
	GRADIENT	-.00020	-.00075	-.00046	-.00029	.00031	-.00175	.00702	.00437	.00115	

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (TC00D5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-8.101	1.05037	.01913	.01072	.00841	-.00885	.04072	-.16909	-.21197	-.12288
-4.002	-4.018	1.04856	.01637	.00915	.00722	-.00761	.03476	-.14444	-.19634	-.10710
-3.998	.020	1.05056	.01509	.00841	.00668	-.00703	.03194	-.13265	-.18816	-.07895
-3.997	4.004	1.05004	.01301	.00718	.00583	-.00614	.02728	-.11171	-.17646	-.05952
	GRADIENT	.00019	-.00042	-.00025	-.00017	.00018	-.00093	.00408	.00248	.00593

RUN NO. 1734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.020	1.04975	.01642	.00903	.00739	-.00778	.03429	-.14392	-.21848	-.12852
.002	-4.045	1.05192	.01579	.00859	.00720	-.00757	.03264	-.13634	-.20943	-.09781
.001	-.005	1.05087	.01456	.00794	.00663	-.00697	.03015	-.12450	-.19765	-.07576
-.000	3.967	1.04964	.01094	.00588	.00506	-.00532	.02232	-.09222	-.17541	-.06697
	GRADIENT	-.00028	-.00061	-.00034	-.00027	.00028	-.00129	.00550	.00424	.00385

RUN NO. 1735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.034	1.04953	.01955	.01077	.00878	-.00924	.04091	-.16947	-.21813	-.09792
3.998	-4.011	1.05084	.01600	.00885	.00715	-.00753	.03360	-.13911	-.20369	-.06571
4.004	.015	1.05052	.01516	.00835	.00682	-.00717	.03170	-.13074	-.18088	-.05224
4.001	4.010	1.04994	.01291	.00717	.00574	-.00604	.02725	-.11189	-.17220	-.04607
	GRADIENT	-.00011	-.00038	-.00021	-.00018	.00019	-.00079	.00339	.00393	.00245

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (TC00D6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.063	1.09762	.02334	.01293	.01040	-.01095	.04913	-.20418	-.25985	-.17737
-4.001	-4.091	1.10122	.01975	.01089	.00886	-.00932	.04137	-.17221	-.22997	-.14627
-4.000	.009	1.10058	.01846	.01008	.00837	-.00881	.03829	-.15959	-.22794	-.12259
-3.999	4.002	1.09949	.01710	.00927	.00783	-.00823	.03521	-.14560	-.22920	-.10620
	GRADIENT	-.00021	-.00033	-.00020	-.00013	.00013	-.00076	.00329	.00010	.00495

RUN NO. 1738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.004	-8.092	1.09922	.02048	.01115	.00933	-.00981	.04235	-.17847	-.25077	-.17233
.003	-4.010	1.10171	.01824	.00985	.00838	-.00881	.03743	-.15702	-.23310	-.13033
.002	-.041	1.10070	.01760	.00950	.00811	-.00852	.03607	-.14982	-.23020	-.10824
.001	3.964	1.09933	.01652	.00883	.00769	-.00808	.03353	-.13903	-.22006	-.10589
	GRADIENT	-.00030	-.00022	-.00013	-.00009	.00009	-.00049	.00226	.00164	.00306

RUN NO. 1739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.044	1.09840	.02432	.01321	.01112	-.01169	.05016	-.20834	-.26028	-.13429
3.998	-4.013	1.10181	.02047	.01115	.00932	-.00981	.04233	-.17520	-.23507	-.09073
4.000	.015	1.10091	.01910	.01035	.00875	-.00920	.03933	-.16264	-.23011	-.07804
3.998	4.003	1.09999	.01716	.00931	.00784	-.00825	.03537	-.14607	-.22464	-.08235
	GRADIENT	-.00023	-.00041	-.00023	-.00018	.00019	-.00087	.00363	.00130	.00105

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-8.028	1.15261	.01718	.00957	.00761	-.00801	.03637	-.15088	-.20238	-.12069
-4.000	-4.077	1.15216	.01497	.00830	.00667	-.00702	.03152	-.13098	-.18368	-.09257
-4.000	.018	1.15150	.01404	.00768	.00636	-.00669	.02917	-.12149	-.17981	-.06791
-4.000	4.013	1.15003	.01282	.00699	.00583	-.00613	.02654	-.10983	-.18328	-.05997
	GRADIENT	-.00026	-.00027	-.00016	-.00010	.00011	-.00062	.00261	.00005	.00404

RUN NO. 1741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.004	-8.014	1.14954	.01509	.00822	.00686	-.00722	.03124	-.13185	-.19779	-.12008
.003	-4.060	1.15115	.01380	.00744	.00636	-.00669	.02825	-.11832	-.18757	-.08261
.002	-.032	1.15084	.01334	.00715	.00620	-.00651	.02714	-.11231	-.18757	-.06087
.000	3.959	1.14988	.01209	.00643	.00566	-.00595	.02442	-.10089	-.17690	-.06381
	GRADIENT	-.00016	-.00021	-.00013	-.00009	.00009	-.00048	.00217	.00133	.00235

RUN NO. 1742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.069	1.14814	.01800	.00979	.00820	-.00863	.03720	-.15403	-.20426	-.08163
4.003	-4.016	1.15052	.01558	.00847	.00711	-.00748	.03218	-.13272	-.18506	-.04677
4.000	.017	1.15092	.01452	.00786	.00666	-.00701	.02985	-.12329	-.18045	-.03229
3.998	4.005	1.15002	.01291	.00700	.00591	-.00621	.02660	-.10921	-.17835	-.03958
	GRADIENT	-.00006	-.00033	-.00018	-.00015	.00016	-.00070	.00293	.00084	.00090

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(TC0008) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1743/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.005	-8.040	1.25049	.01599	.00890	.00709	-.00746	.03382	-.14078	-.19805	-.12210
-4.003	-4.081	1.25067	.01466	.00805	.00661	-.00695	.03059	-.12670	-.18284	-.08475
-4.000	.014	1.25018	.01397	.00754	.00642	-.00675	.02866	-.11915	-.18283	-.05700
-4.000	4.029	1.25003	.01309	.00707	.00602	-.00633	.02687	-.11186	-.18196	-.05039
	GRADIENT	-.00008	-.00019	-.00012	-.00007	-.00008	-.00046	.00183	.00011	.00425

RUN NO. 1744/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.004	-8.042	1.24956	.01425	.00780	.00645	-.00679	.02962	-.12518	-.19021	-.12225
.003	-4.036	1.25072	.01346	.00724	.00622	-.00653	.02752	-.11542	-.18158	-.07704
.002	-.046	1.25015	.01299	.00692	.00607	-.00638	.02628	-.10910	-.18469	-.05186
.001	3.955	1.24945	.01232	.00656	.00576	-.00605	.02493	-.10342	-.17664	-.05858
	GRADIENT	-.00016	-.00014	-.00009	-.00006	-.00006	-.00032	.00150	.00062	.00231

RUN NO. 1745/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.005	-8.065	1.24968	.01730	.00949	.00781	-.00821	.03605	-.14940	-.19681	-.07359
4.002	-4.024	1.25012	.01557	.00850	.00706	-.00743	.03230	-.13357	-.17854	-.04681
4.005	.017	1.24979	.01454	.00787	.00667	-.00702	.02988	-.12354	-.17817	-.03392
3.998	4.028	1.25005	.01283	.00686	.00597	-.00628	.02607	-.10759	-.17574	-.04180
	GRADIENT	-.00001	-.00034	-.00020	-.00014	-.00014	-.00077	.00322	.00035	.00063

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(TC0009) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-8.035	1.24903	.00595	.00350	.00245	-.00259	.01328	-.05422	-.10968	-.01492
-4.001	-4.013	1.24977	.00504	.00282	.00222	-.00234	.01070	-.04312	-.09734	.01560
-3.999	.016	1.25027	.00427	.00213	.00214	-.00224	.00808	-.03291	-.08290	.05482
-3.998	4.012	1.24977	.00399	.00203	.00195	-.00205	.00773	-.03174	-.10031	.08836
	GRADIENT	.00000	-.00013	-.00010	-.00003	.00004	-.00037	.00142	-.00036	.00907

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-0.001	-7.988	1.24938	.00483	.00260	.00224	-.00235	.00986	-.04076	-.09158	-.00953
.002	-4.062	1.25036	.00510	.00258	.00253	-.00265	.00979	-.04090	-.09537	.03070
.000	-.045	1.25013	.00469	.00233	.00236	-.00248	.00884	-.03626	-.09706	.06543
-.001	3.989	1.24965	.00349	.00168	.00181	-.00189	.00640	-.02611	-.10248	.05371
	GRADIENT	-.00009	-.00020	-.00011	-.00009	.00009	-.00042	.00184	-.00088	.00285

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.031	1.24925	.00645	.00358	.00287	-.00302	.01359	-.05538	-.09542	.00107
4.002	-4.017	1.25009	.00515	.00282	.00234	-.00246	.01070	-.04361	-.08032	.03191
4.000	.018	1.25027	.00430	.00225	.00204	-.00214	.00857	-.03514	-.07983	.05058
4.000	4.017	1.24986	.00371	.00193	.00178	-.00187	.00734	-.02994	-.09684	.05020
	GRADIENT	-.00003	-.00018	-.00011	-.00007	.00007	-.00042	.00170	-.00205	.00228

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IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,3

(TC00EO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1702/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.031	1.29909	.00656	.00382	.00274	-.00289	.01451	-.05932	-.11143	-.01742
-4.001	-4.022	1.30003	.00573	.00315	.00258	-.00272	.01195	-.04840	-.09592	.01106
-3.995	.018	1.30004	.00494	.00248	.00246	-.00258	.00943	-.03844	-.08887	.04971
-4.001	4.027	1.29997	.00497	.00259	.00238	-.00249	.00985	-.04074	-.11034	.07919
	GRADIENT	-.00001	-.00009	-.00007	-.00003	.00003	-.00026	.00095	-.00166	.00847

RUN NO. 1703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-8.072	1.29944	.00553	.00295	.00257	-.00270	.01121	-.04611	-.09792	-.01529
.001	-4.065	1.30038	.00591	.00301	.00291	-.00305	.01142	-.04777	-.10244	.02723
.000	-.037	1.30000	.00556	.00276	.00280	-.00294	.01048	-.04324	-.10627	.05811
-.000	3.958	1.29945	.00458	.00229	.00230	-.00241	.00869	-.03568	-.11075	.04457
	GRADIENT	-.00012	-.00017	-.00009	-.00008	.00008	-.00034	.00151	-.00103	.00217

RUN NO. 1704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.035	1.29981	.00775	.00425	.00350	-.00368	.01613	-.06594	-.09846	-.00559
4.002	-4.008	1.30025	.00542	.00302	.00240	-.00252	.01148	-.04637	-.10210	.03295
3.996	.025	1.30033	.00520	.00272	.00247	-.00260	.01034	-.04263	-.08617	.04685
4.002	4.024	1.29980	.00458	.00237	.00221	-.00232	.00898	-.03679	-.10609	.04413
	GRADIENT	-.00006	-.00010	-.00008	-.00002	.00003	-.00031	.00119	-.00049	.00139

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3

(TCDOE1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.350 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.003	-8.026	1.34917	.00688	.00395	.00293	-.00309	.01501	-.06163	-.11079	-.02153
-4.000	-4.012	1.34982	.00621	.00334	.00287	-.00302	.01270	-.05143	-.09953	.00973
-4.003	.017	1.35004	.00521	.00263	.00259	-.00271	.00997	-.04094	-.08962	.04845
-4.002	4.017	1.34991	.00508	.00265	.00243	-.00255	.01007	-.04170	-.11099	.07826
	GRADIENT	.00001	-.00014	-.00009	-.00005	.00006	-.00033	.00121	-.00142	.00854

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-7.980	1.34978	.00583	.00313	.00270	-.00284	.01187	-.04896	-.10135	-.01566
.001	-4.046	1.35070	.00604	.00308	.00296	-.00310	.01171	-.04890	-.10177	.02847
.000	-.034	1.35003	.00589	.00298	.00292	-.00306	.01131	-.04671	-.10964	.05519
-.001	3.991	1.34962	.00517	.00263	.00253	-.00266	.01001	-.04136	-.11379	.04461
	GRADIENT	-.00013	-.00011	-.00006	-.00005	.00006	-.00021	.00094	-.00149	.00201

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.044	1.34940	.00797	.00433	.00364	-.00383	.01645	-.06738	-.09710	-.00454
4.002	-4.013	1.35003	.00640	.00350	.00290	-.00305	.01328	-.05459	-.08888	.02714
3.999	.020	1.35002	.00590	.00312	.00278	-.00292	.01185	-.04907	-.08979	.04423
4.000	4.022	1.34962	.00507	.00263	.00244	-.00256	.00998	-.04077	-.10903	.03732
	GRADIENT	-.00005	-.00016	-.00011	-.00006	.00006	-.00041	.00172	-.00250	.00127

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(TC00E3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.051	-8.139	1.55233	.00731	.00409	.00321	-.00338	.01555	-.06418	-.11797	-.04443
-4.079	-4.160	1.54945	.00692	.00379	.00313	-.00329	.01440	-.05864	-.10210	.00048
-4.095	.024	1.54880	.00634	.00331	.00302	-.00317	.01259	-.05162	-.09453	.03160
-4.067	4.093	1.54889	.00668	.00348	.00319	-.00335	.01323	-.05447	-.12869	.07014
	GRADIENT	-.00007	-.00003	-.00004	.00001	-.00001	-.00014	.00051	-.00320	.00844

RUN NO. 1713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-7.967	1.54853	.00736	.00406	.00331	-.00348	.01541	-.06369	-.11533	-.02714
.001	-3.965	1.54918	.00759	.00401	.00358	-.00376	.01522	-.06326	-.10722	.01865
.000	.054	1.54804	.00781	.00409	.00372	-.00391	.01552	-.06409	-.10703	.04418
-.000	4.064	1.54872	.00690	.00363	.00327	-.00343	.01378	-.05709	-.11718	.04104
	GRADIENT	-.00006	-.00009	-.00005	-.00004	.00004	-.00018	.00077	-.00124	.00279

RUN NO. 1714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.046	-8.128	1.54800	.00910	.00501	.00409	-.00431	.01902	-.07886	-.10726	-.01105
4.076	-4.091	1.54909	.00789	.00437	.00353	-.00371	.01658	-.06875	-.09462	.01665
4.103	.032	1.55000	.00705	.00386	.00319	-.00335	.01466	-.06081	-.09528	.03593
4.067	4.083	1.54814	.00714	.00385	.00329	-.00346	.01464	-.06019	-.12133	.02357
	GRADIENT	-.00012	-.00009	-.00006	-.00003	.00003	-.00024	.00105	-.00326	.00086

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TCDOE4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-7.895	.59862	.02406	.01260	.01145	-.01202	.04788	-.20461	-.38299	-.34863
.000	-3.945	.59952	.02294	.01201	.01093	-.01148	.04563	-.19505	-.35482	-.32630
-.000	.077	.60006	.02187	.01140	.01046	-.01099	.04332	-.18524	-.34206	-.31371
-.001	4.059	.60048	.02098	.01091	.01007	-.01057	.04144	-.17717	-.33374	-.30280
	GRADIENT	.00012	-.00025	-.00014	-.00011	.00011	-.00052	.00223	.00263	.00294

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TCDOE5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-7.913	.80005	.02582	.01358	.01223	-.01285	.05160	-.21939	-.38333	-.34084
-.001	-4.026	.79996	.02485	.01310	.01175	-.01234	.04976	-.21151	-.35859	-.30464
-.000	.077	.79968	.02333	.01227	.01106	-.01162	.04660	-.19779	-.33742	-.29958
.002	3.974	.79940	.02216	.01161	.01056	-.01109	.04408	-.18701	-.32871	-.30592
	GRADIENT	-.00007	-.00034	-.00019	-.00015	.00016	-.00071	.00307	.00375	-.00015

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-8.038	.90022	.02809	.01479	.01330	-.01396	.05619	-.23838	-.39738	-.32086
.001	-4.530	.90015	.02657	.01401	.01255	-.01318	.05323	-.22577	-.36900	-.30250
.001	-4.036	.89989	.02650	.01399	.01250	-.01313	.05315	-.22540	-.36592	-.30068
.000	-.013	.89964	.02446	.01289	.01157	-.01215	.04897	-.20754	-.33616	-.30244
.002	4.092	.89926	.02319	.01223	.01096	-.01151	.04644	-.19722	-.32379	-.31244
	GRADIENT	-.00009	-.00041	-.00022	-.00019	.00020	-.00082	.00346	.00542	-.00118

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.001	-8.044	.94995	.03074	.01633	.01441	-.01514	.06202	-.26318	-.40976	-.34378
-.001	-4.026	.94990	.02882	.01537	.01344	-.01413	.05839	-.24766	-.38015	-.33466
.000	-.018	.94966	.02720	.01450	.01270	-.01335	.05508	-.23350	-.36053	-.32717
-.001	4.085	.94926	.02556	.01360	.01196	-.01256	.05165	-.21965	-.33504	-.33882
	GRADIENT	-.00008	-.00040	-.00022	-.00018	.00019	-.00083	.00345	.00556	-.00052

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TCDOE8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-8.023	1.04957	.03466	.01853	.01613	-.01695	.07037	-.29773	-.42817	-.44742
.000	-4.045	1.05012	.03241	.01739	.01502	-.01578	.06604	-.27966	-.40068	-.42298
-.001	-.021	1.05010	.03130	.01680	.01450	-.01524	.06380	-.27010	-.39436	-.41575
-.002	4.085	1.04964	.03058	.01642	.01416	-.01488	.06237	-.26458	-.37882	-.42743
	GRADIENT	-.00006	-.00022	-.00012	-.00011	.00011	-.00045	.00185	.00269	-.00056

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TCDOE9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.039	1.09907	.03934	.02115	.01819	-.01912	.08034	-.33815	-.45511	-.50769
-.002	-4.747	1.10058	.03742	.02017	.01725	-.01814	.07661	-.32250	-.43063	-.48146
-.001	-3.999	1.10002	.03708	.02001	.01708	-.01795	.07599	-.31992	-.42846	-.47880
-.000	-.032	1.10020	.03583	.01945	.01639	-.01723	.07386	-.31123	-.41611	-.47561
-.001	4.108	1.09942	.03494	.01904	.01591	-.01673	.07231	-.30447	-.39488	-.48133
	GRADIENT	-.00010	-.00028	-.00013	-.00015	.00016	-.00048	.00201	.00398	-.00000

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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(TC00FO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-8.055	1.14914	.03281	.01759	.01522	-.01600	.06680	-.28155	-.39834	-.44915
.000	-4.050	1.15104	.03133	.01685	.01449	-.01523	.06399	-.26977	-.37849	-.41741
-.001	-.026	1.15031	.03082	.01668	.01414	-.01487	.06336	-.26747	-.37314	-.41762
-.001	3.966	1.14943	.03071	.01672	.01399	-.01471	.06351	-.26717	-.35395	-.42483
	GRADIENT	-.00020	-.00008	-.00002	-.00006	.00006	-.00006	.00032	.00306	-.00092

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-8.071	1.24923	.02910	.01554	.01356	-.01425	.05904	-.24889	-.36480	-.42026
.001	-5.152	1.25046	.02875	.01543	.01331	-.01399	.05862	-.24696	-.34871	-.39629
.000	-4.080	1.24996	.02865	.01540	.01325	-.01393	.05850	-.24645	-.34534	-.39210
-.001	-.039	1.24984	.02796	.01514	.01283	-.01349	.05749	-.24244	-.33699	-.39110
-.002	3.968	1.25011	.02788	.01511	.01277	-.01343	.05738	-.24141	-.31966	-.39660
	GRADIENT	.00002	-.00010	-.00004	-.00006	.00006	-.00014	.00063	.00319	-.00056

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.068	1.34990	.02860	.01531	.01329	-.01397	.05815	-.24512	-.35262	-.39411
.001	-4.031	1.35005	.02819	.01517	.01302	-.01369	.05761	-.24255	-.32779	-.37244
-.000	-.022	1.34994	.02719	.01468	.01250	-.01314	.05577	-.23494	-.31420	-.37552
-.002	3.972	1.34983	.02748	.01487	.01261	-.01326	.05647	-.23760	-.30135	-.38351
	GRADIENT	-.00003	-.00009	-.00004	-.00005	.00005	-.00014	.00062	.00330	-.00138

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.078	1.39969	.02870	.01537	.01332	-.01400	.05840	-.24585	-.34873	-.38174
.002	-4.847	1.40043	.02856	.01535	.01321	-.01388	.05832	-.24580	-.33024	-.35670
.002	-4.052	1.40010	.02835	.01527	.01308	-.01375	.05800	-.24432	-.32450	-.35657
-.001	-.031	1.39961	.02789	.01505	.01285	-.01350	.05715	-.24065	-.31152	-.36460
.001	3.957	1.39983	.02731	.01477	.01254	-.01318	.05612	-.23616	-.29316	-.37166
	GRADIENT	-.00006	-.00014	-.00006	-.00007	.00008	-.00024	.00106	.00404	-.00178

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.964	1.54892	.02786	.01492	.01294	-.01360	.05669	-.23808	-.33420	-.35228
.000	-3.947	1.54879	.02791	.01504	.01287	-.01353	.05713	-.24022	-.31806	-.33557
-.001	.069	1.54845	.02806	.01513	.01293	-.01360	.05746	-.24201	-.29130	-.34363
-.001	4.058	1.54824	.02645	.01427	.01218	-.01281	.05419	-.22848	-.27196	-.35345
	GRADIENT	-.00007	-.00018	-.00010	-.00009	.00009	-.00037	.00146	.00576	-.00223

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.067	1.29924	.03133	.01680	.01454	-.01528	.06381	-.26992	-.38463	-.35882
4.000	-4.008	1.30002	.03163	.01696	.01466	-.01541	.06444	-.27202	-.35347	-.34472
3.992	.005	1.30027	.02819	.01510	.01309	-.01375	.05736	-.24200	-.33870	-.33334
4.009	4.108	1.29989	.02811	.01508	.01303	-.01370	.05726	-.24215	-.32817	-.35742
	GRADIENT	-.00002	-.00043	-.00023	-.00020	.00021	-.00088	.00367	.00312	-.00158

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F5) (13 APR 92)

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-7.978	1.34949	.03131	.01682	.01449	-.01523	.06388	-.27050	-.37537	-.35439
3.997	-4.097	1.34967	.03166	.01704	.01463	-.01538	.06471	-.27324	-.34597	-.34147
3.996	.011	1.35021	.02964	.01596	.01368	-.01438	.06060	-.25646	-.33216	-.32759
3.995	3.993	1.34994	.02834	.01521	.01313	-.01380	.05775	-.24498	-.32143	-.35201
	GRADIENT	.00003	-.00041	-.00023	-.00019	.00019	-.00086	.00350	.00303	-.00128

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00F7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.000	-3.891	.60025	.01237	.00755	.00482	-.00510	.02868	-.12480	-.21930	-.17433
.000	-3.888	.60012	.01246	.00757	.00489	-.00518	.02874	-.12459	-.22048	-.17374
	GRADIENT	-.05357	.03348	.00558	.02790	-.02888	.02121	.08259	-.46429	.22768

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00F8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.000	-3.871	.79996	.01222	.00728	.00494	-.00522	.02765	-.11997	-.21044	-.13749
-.001	-3.872	.79958	.01215	.00724	.00490	-.00518	.02751	-.11967	-.21112	-.13742
	GRADIENT	.75000	.14453	.07031	.07617	-.07617	.27344	-.59375	1.37500	-.12500

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.981	.89963	.01194	.00696	.00497	-.00525	.02645	-.11348	-.20362	-.11841
.000	-3.973	.89986	.01183	.00691	.00492	-.00519	.02626	-.11265	-.20331	-.11872
	GRADIENT	.03049	-.01362	-.00622	-.00742	.00773	-.02369	.10899	.04014	-.04065

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 414/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.969	.94959	.01138	.00659	.00479	-.00506	.02502	-.10639	-.19274	-.10686
.000	-3.969	.94982	.01146	.00663	.00483	-.00510	.02517	-.10723	-.19424	-.10768
	GRADIENT	-.25000	-.01563	-.00977	-.00781	.00781	-.03125	.21875	.37500	.18750

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.979	1.04945	.01570	.00859	.00711	-.00748	.03262	-.13656	-.21573	-.10471
.000	-3.975	1.04944	.01579	.00865	.00714	-.00751	.03285	-.13759	-.21654	-.10638
	GRADIENT	.00000	.02431	.01736	.00680	-.00723	.06655	-.29398	-.23148	-.47685

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-3.855	1.09980	.01971	.01071	.00900	-.00346	.04069	-.17095	-.25454	-.14600
-.002	-3.864	1.09982	.01971	.01072	.00899	-.00345	.04073	-.17126	-.25428	-.14635
	GRADIENT	-.00318	.00050	-.00119	.00172	-.00177	-.00448	.03583	-.02986	.04021

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-3.937	1.15070	.01431	.00781	.00650	-.00684	.02965	-.12432	-.20184	-.09588
-.002	-3.935	1.15021	.01431	.00779	.00652	-.00685	.02960	-.12405	-.20196	-.09578
	GRADIENT	-.20588	.00092	-.00460	.00528	-.00540	-.01746	.09559	-.04044	.03676

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 421/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.000	-3.889	1.24953	.01311	.00705	.00607	-.00638	.02676	-.11196	-.18701	-.07730
-.002	-3.892	1.24956	.01313	.00705	.00608	-.00639	.02676	-.11200	-.18709	-.07754
	GRADIENT	-.03846	-.00541	-.00015	-.00526	.00556	.00000	.01683	.02885	.09375

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .000	-3.873	1.24958	.01336	.00721	.00615	-.00646	.02738	-.11459	-.18982	-.07986
- .002	-3.872	1.24971	.01331	.00719	.00612	-.00643	.02731	-.11433	-.18937	-.07879
	GRADIENT	.00000	-.03223	-.01221	-.01953	.02051	-.04688	.17188	.29688	.72656

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .002	-3.804	1.29989	.01404	.00754	.00650	-.00683	.02865	-.11922	-.18808	-.08080
- .002	-3.809	1.29987	.01409	.00756	.00652	-.00686	.02873	-.11957	-.18805	-.08139
	GRADIENT	.00000	-.00923	-.00457	-.00465	.00486	-.01745	.07314	-.00798	.12434

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .002	-3.854	1.34943	.01404	.00756	.00648	-.00682	.02872	-.11922	-.18409	-.07742
- .002	-3.866	1.35009	.01399	.00754	.00645	-.00678	.02864	-.11891	-.18336	-.07736
	GRADIENT	-.05611	.00467	.00175	.00294	-.00306	.00663	-.02568	-.06064	-.00443

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-3.872	1.39966	.01464	.00785	.00679	-.00714	.02983	-.12371	-.18523	-.06988
-.000	-3.873	1.40003	.01460	.00783	.00678	-.00712	.02972	-.12324	-.18444	-.06965
	GRADIENT	-.50000	.06250	.04297	.01953	-.02148	.15625	-.71875	-1.25000	-.34375

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (TC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-3.921	1.24969	.00510	.00257	.00253	-.00265	.00975	-.04057	-.10773	.02861
-.001	-3.913	1.24984	.00510	.00259	.00251	-.00263	.00983	-.04091	-.10773	.02813
	GRADIENT	.01852	.00038	.00272	-.00236	.00238	.01033	-.04201	.00069	-.06019

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (TC00H0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

RUN NO. 459/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.912	1.40077	.00756	.00388	.00368	-.00387	.01474	-.06087	-.11312	.02647
-.002	-3.911	1.40001	.00758	.00387	.00371	-.00389	.01470	-.06061	-.11186	.02663
	GRADIENT	-1.00000	.01953	-.02148	.04199	-.04297	-.08203	.50000	2.40625	.30469

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TCOOH1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-3.855	1.54886	.00682	.00345	.00337	-.00353	.01310	-.05394	-.11105	.02726
-.001	-3.857	1.54841	.00692	.00351	.00341	-.00358	.01332	-.05481	-.11255	.02723
	GRADIENT	.50000	-.08789	-.04948	-.03874	.04069	-.18750	.73958	1.27083	.02083

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TCOOH2) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.056	.89947	.01746	.00987	.00760	-.00800	.03747	-.15766	-.21444	-.16794
-4.005	-3.934	.89996	.01370	.00787	.00583	-.00615	.02989	-.12599	-.18901	-.14221
-3.996	.002	.89974	.01148	.00663	.00485	-.00511	.02520	-.10739	-.17215	-.12572
-4.002	4.065	.90006	.00945	.00570	.00374	-.00396	.02166	-.09213	-.15305	-.11483
	GRADIENT	.00001	-.00053	-.00027	-.00026	.00027	-.00103	.00423	.00450	.00342

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (TC00H4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-8.061	1.09893	.02098	.01148	.00950	-.00999	.04361	-.18388	-.26785	-.18909
-.002	-4.042	1.10135	.01888	.01022	.00866	-.00910	.03882	-.16305	-.24934	-.14410
-.000	-.027	1.10030	.01849	.00998	.00851	-.00895	.03789	-.15716	-.24936	-.12366
.001	4.075	1.09954	.01702	.00906	.00796	-.00836	.03442	-.14285	-.23567	-.11749
	GRADIENT	-.00022	-.00023	-.00014	-.00009	.00009	-.00054	.00249	.00169	.00327

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (TC00H5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-1.049	1.25067	1.73803	.94266	.79538	-.83635	3.58047	.00000	.00000	.00000
.001	-1.049	1.25021	1.73803	.94266	.79538	-.83635	3.58047	.00000	.00000	.00000
-.002	-8.086	1.24981	.00564	.00308	.00256	-.00269	.01170	-.04862	-.11365	-.01080
.001	-5.169	1.25019	.00502	.00261	.00242	-.00254	.00990	-.04107	-.10872	.01021
.001	-4.022	1.25007	.00491	.00248	.00242	-.00254	.00943	-.03919	-.10704	.02551
-.001	-.021	1.24971	.00499	.00247	.00253	-.00265	.00936	-.03840	-.11083	.05689
.001	3.964	1.24909	.00382	.00186	.00197	-.00206	.00706	-.02886	-.11512	.04789
	GRADIENT	-.00012	-.00014	-.00008	-.00006	.00006	-.00030	.00129	-.00101	.00281

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TSC00H6) (29 JUL 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0300	
XMRP	=	976.0000	IN. XT
YMRP	=	.0000	IN. YT
ZMRP	=	400.0000	IN. ZT
MACH	=	1.300	IEABOX = .000
IB-ELV	=	10.000	OB-ELV = 9.000

PARAMETRIC DATA

ALPHA	RUN NO.	655/ 0	RN/L =	2.50	GRADIENT	INTERVAL =	-5.00/	5.00
		MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD
-8.076	1.23992	.00641	.00348	.00293	.01321			
-4.032	1.29989	.00586	.00296	.00290	.01123			
-.020	1.30002	.00588	.00293	.00295	.01113			
3.968	1.30008	.00447	.00219	.00228	.00833			
GRADIENT	.00002	-.00017	-.00010	-.00008	-.00036			

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TSCDH7) (29 JUL 92)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YT
BREF	=	936.6800	INCHES	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0300						
						MACH	=	1.350
						IB-ELV	=	10.000
								OB-ELV =
								IEABOX =
								9.000

PARAMETRIC DATA

[illegible]

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.077	1.40016	.00703	.00381	.00322	-.00339	.01447	-.05980	-.12554	-.01780
.001	-4.857	1.39972	.00706	.00366	.00339	-.00356	.01391	-.05755	-.11529	.01550
-.001	-4.057	1.39962	.00693	.00356	.00336	-.00353	.01353	-.05617	-.11311	.02567
-.001	-.030	1.40025	.00670	.00339	.00331	-.00347	.01288	-.05306	-.12516	.04929
-.002	3.967	1.39915	.00582	.00296	.00287	-.00301	.01122	-.04600	-.12569	.03893
	GRADIENT	-.00004	-.00013	-.00008	-.00006	.00006	-.00029	.00125	-.00146	.00271

(TC00H9) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.984	1.54882	.00728	.00399	.00330	-.00347	.01514	-.06276	-.12832	-.02607
-.000	-3.941	1.54973	.00727	.00378	.00348	-.00366	.01437	-.05925	-.11662	.02744
.001	.066	1.54961	.00697	.00359	.00338	-.00354	.01363	-.05581	-.12508	.03645
.002	4.191	1.54788	.00590	.00302	.00288	-.00302	.01147	-.04672	-.11785	.04400
	GRADIENT	-.00023	-.00017	-.00009	-.00007	.00008	-.00036	.00154	-.00014	.00204

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (TCDAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABDX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNB0	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.997	.600	-.00164	.01180	.00725	.00455	-.00482	.02753	-.11985	-.22075	-.17651
-3.990	.600	.00033	.01219	.00744	.00475	-.00502	.02825	-.12284	-.22350	-.17917
-4.008	.614	-.00157	.01100	.00675	.00425	-.00450	.02564	-.11168	-.21243	-.16673
-4.035	.645	-.00162	.01034	.00640	.00394	-.00417	.02433	-.10628	-.20472	-.15642
-4.068	.683	-.00152	.01066	.00655	.00411	-.00436	.02486	-.10853	-.20622	-.15423
-3.936	.725	-.00144	.01077	.00658	.00420	-.00444	.02498	-.10882	-.20556	-.14563
-3.968	.751	.00048	.01097	.00671	.00426	-.00451	.02548	-.11092	-.20748	-.14280
-3.995	.785	-.00130	.01073	.00648	.00425	-.00450	.02460	-.10759	-.20256	-.13574
-4.021	.806	.00059	.01115	.00671	.00444	-.00469	.02548	-.11112	-.20563	-.13122
-4.038	.815	-.00132	.01124	.00674	.00450	-.00476	.02559	-.11157	-.20545	-.12995
-4.038	.832	.00050	.01130	.00673	.00457	-.00483	.02558	-.11146	-.20584	-.12946
-4.062	.863	-.00135	.00727	.00445	.00281	-.00298	.01691	-.07560	-.16725	-.09273
-4.014	.947	-.00142	.00844	.00495	.00349	-.00368	.01880	-.08131	-.17450	-.08869
-3.988	.916	-.00129	.01191	.00692	.00499	-.00526	.02629	-.11242	-.20726	-.11711
-3.990	.919	.00133	.01099	.00641	.00459	-.00484	.02433	-.10457	-.19927	-.11224
-3.965	.902	.00042	.01372	.00790	.00583	-.00615	.02999	-.12838	-.22505	-.13537
-3.989	.933	-.00134	.01231	.00707	.00524	-.00552	.02686	-.11484	-.20940	-.12045
-4.000	.947	-.00129	.00982	.00572	.00410	-.00433	.02171	-.09332	-.18557	-.09937
-4.005	.948	-.00134	.01022	.00593	.00430	-.00453	.02251	-.09657	-.18906	-.10422
-3.956	.899	.00044	.01189	.00694	.00495	-.00522	.02637	-.11358	-.20979	-.12266
-4.032	.970	-.00134	.00930	.00534	.00396	-.00417	.02028	-.08815	-.17391	-.09508
-4.042	.979	-.00138	.01012	.00572	.00440	-.00464	.02174	-.09432	-.17784	-.09658
-4.050	.987	.00025	.00878	.00501	.00377	-.00397	.01904	-.08313	-.16454	-.08554
-4.080	1.002	.00027	.00793	.00452	.00342	-.00360	.01716	-.07506	-.15321	-.07691
-4.091	1.019	-.00162	.00780	.00444	.00336	-.00355	.01686	-.07339	-.15125	-.06595
-4.078	1.011	-.00155	.01025	.00577	.00448	-.00471	.02192	-.09437	-.17343	-.08035
-4.106	1.042	-.00184	.01034	.00575	.00459	-.00483	.02184	-.09186	-.17289	-.06412
-3.963	1.067	-.00037	.02110	.01148	.00962	-.01012	.04360	-.18266	-.26990	-.15304
-3.995	1.088	-.00009	.02090	.01136	.00954	-.01003	.04313	-.18082	-.26819	-.15433
-3.902	.976	-.00126	.01104	.00623	.00481	-.00506	.02365	-.10267	-.18372	-.10361
-3.977	1.076	-.00198	.02019	.01100	.00920	-.00967	.04176	-.17529	-.26224	-.14880
-3.974	1.080	-.00199	.01890	.01030	.00860	-.00905	.03911	-.16387	-.25189	-.13664
-3.984	1.097	-.00172	.01970	.01072	.00898	-.00944	.04073	-.17115	-.25919	-.14997
-3.969	1.103	-.00177	.01336	.00728	.00608	-.00647	.02766	-.11586	-.20032	-.08660
-3.902	1.147	-.00180	.01356	.00741	.00615	-.00655	.02847	-.11800	-.19973	-.09260
-4.024	1.151	-.00192	.01373	.00750	.00623	-.00659	.02813	-.11943	-.20025	-.09335
-4.017	1.154	-.00183	.01377	.00751	.00626	-.00659	.02853	-.11956	-.20096	-.09323
-4.000	1.154	-.00177	.01335	.00729	.00607	-.00637	.02768	-.11598	-.19695	-.08984
-4.044	1.112	-.00147	.01756	.00961	.00795	-.00837	.03650	-.15329	-.23707	-.13999
-4.017	1.217	-.00182	.00984	.00533	.00450	-.00474	.02025	-.08479	-.16444	-.05666
-4.020	1.248	-.00198	.01324	.00722	.00602	-.00633	.02741	-.11482	-.18964	-.08431
-4.020	1.255	-.00187	.01332	.00725	.00607	-.00639	.02752	-.11531	-.19007	-.08351
-4.012	1.256	-.00175	.01355	.00736	.00619	-.00651	.02794	-.11696	-.19176	-.08524

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TCDAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.953	1.172	-.00188	.01944	.01056	.00888	-.009333	.04012	-.16778	-.24964	-.13316
-4.012	1.280	-.00171	.01301	.00705	.00596	-.00627	.02677	-.11186	-.18445	-.07902
-4.016	1.300	-.00185	.01355	.00734	.00620	-.00652	.02790	-.11627	-.18757	-.08427
-4.004	1.299	-.00171	.01404	.00762	.00643	-.00676	.02894	-.12069	-.19201	-.08852
-3.995	1.299	-.00010	.01428	.00775	.00653	-.00687	.02945	-.12287	-.19369	-.09003
-3.992	1.301	-.00154	.01410	.00765	.00645	-.00679	.02905	-.12119	-.19282	-.08981
-3.993	1.310	-.00170	.01265	.00686	.00579	-.00609	.02606	-.10862	-.18018	-.07710
	GRADIENT	-.00144	.00663	.00224	.00440	-.00457	.00849	-.02687	.01467	.10547

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.986	1.305	.00016	.01442	.00781	.00661	-.00695	.02965	-.12359	-.19413	-.09049
-3.968	1.295	-.00158	.01457	.00789	.00667	-.00702	.02998	-.12522	-.19805	-.09471
-3.978	1.295	.00006	.01438	.00780	.00658	-.00692	.02964	-.12372	-.19613	-.09332
-3.976	1.299	.00012	.01447	.00786	.00661	-.00696	.02985	-.12452	-.19613	-.09311
-3.988	1.300	-.00166	.01456	.00790	.00666	-.00700	.02999	-.12508	-.19641	-.09234
-3.988	1.300	-.00168	.01459	.00792	.00667	-.00702	.03007	-.12548	-.19676	-.09321
-3.998	1.299	.00015	.01461	.00792	.00669	-.00703	.03010	-.12559	-.19762	-.09379
-4.010	1.300	-.00169	.01464	.00795	.00669	-.00704	.03019	-.12584	-.19736	-.09455
-4.012	1.299	-.00162	.01467	.00796	.00672	-.00706	.03022	-.12609	-.19765	-.09295
-4.026	1.302	.00011	.01455	.00788	.00666	-.00701	.02994	-.12492	-.19672	-.09132
-4.020	1.300	-.00170	.01454	.00789	.00665	-.00699	.02998	-.12505	-.19643	-.09346
-4.023	1.300	-.00162	.01453	.00788	.00665	-.00699	.02993	-.12491	-.19684	-.09269
-4.024	1.300	-.00162	.01473	.00799	.00673	-.00708	.03037	-.12664	-.19729	-.09216
-4.013	1.251	-.00167	.02076	.01128	.00948	-.00997	.04285	-.17905	-.25251	-.14571
-4.026	1.299	-.00180	.01317	.00713	.00604	-.00635	.02707	-.11299	-.18484	-.08097
-4.014	1.346	-.00005	.01397	.00758	.00639	-.00672	.02880	-.12011	-.18882	-.08693
-4.017	1.354	-.00181	.01439	.00781	.00658	-.00692	.02968	-.12378	-.19218	-.08810
-4.011	1.349	-.00001	.01433	.00778	.00655	-.00689	.02956	-.12333	-.19223	-.08851
-4.011	1.344	-.00007	.01308	.00710	.00599	-.00629	.02695	-.11233	-.18084	-.07758
-4.069	1.377	-.00015	.01429	.00776	.00653	-.00686	.02949	-.12300	-.18971	-.08395
-4.073	1.386	-.00018	.01435	.00780	.00655	-.00689	.02961	-.12348	-.18983	-.08241
-4.082	1.393	-.00188	.01455	.00791	.00664	-.00698	.03004	-.12519	-.19026	-.08153
-4.086	1.402	-.00014	.01460	.00794	.00666	-.00700	.03018	-.12573	-.19017	-.08057
-4.083	1.382	-.00023	.01632	.00888	.00745	-.00783	.03371	-.14063	-.20617	-.09710
-3.913	1.210	-.00160	.00944	.00520	.00424	-.00446	.01976	-.08281	-.15825	-.05428
-4.015	1.164	.00031	.02745	.01496	.01249	-.01314	.05681	-.23856	-.32232	-.22777
-4.017	1.164	-.00176	.02006	.01095	.00911	-.00958	.04161	-.17517	-.25735	-.17052
-4.072	1.186	-.00151	.00561	.00323	.00237	-.00250	.01229	-.05322	-.12870	-.06506
-4.107	1.422	-.00143	.01744	.00946	.00797	-.00839	.03595	-.14963	-.21620	-.09616
-3.945	1.495	-.00163	.01516	.00820	.00696	-.00731	.03114	-.12926	-.19446	-.07946
-3.944	1.523	-.00172	.01444	.00781	.00663	-.00697	.02966	-.12300	-.18940	-.06995
-3.921	1.514	-.00013	.01633	.00884	.00750	-.00788	.03357	-.13939	-.20663	-.08386
-3.900	1.499	.00039	.01558	.00844	.00715	-.00752	.03204	-.13296	-.19964	-.08464
-3.901	1.497	.00080	.01557	.00845	.00712	-.00749	.03208	-.13315	-.19870	-.08535
-3.917	1.497	.00015	.01494	.00806	.00688	-.00723	.03062	-.12711	-.19379	-.06987
-3.914	1.570	-.00152	.01563	.00846	.00717	-.00754	.03212	-.13351	-.20390	-.07761
-3.901	1.548	.00028	.01590	.00860	.00730	-.00768	.03268	-.13576	-.20252	-.07890
-3.890	1.540	-.00130	.01543	.00834	.00709	-.00745	.03168	-.13148	-.19758	-.07857
-3.882	1.500	-.00089	.01451	.00787	.00664	-.00698	.02990	-.12410	-.18913	-.07724
-3.906	1.460	.00057	.01514	.00825	.00689	-.00724	.03135	-.13056	-.19696	-.09319
		.00192	-.00118	-.00085	-.00033	.00036	-.00324	.01793	.04909	.12778

GRADIENT

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

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IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(TCOAII) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-3.986	.599	.00031	.01188	.00723	.00465	-.00492	.02746	-.11931	-.21346	-.17747
-3.973	.599	-.00159	.01192	.00717	.00475	-.00502	.02725	-.11868	-.21380	-.17753
-3.995	.625	-.00155	.00173	.00164	.00009	-.00012	.00624	-.03053	-.11963	-.08537
-3.983	.622	.00037	.01739	.01023	.00716	-.00756	.03886	-.16761	-.26254	-.22154
-4.010	.638	.00038	.00959	.00589	.00370	-.00392	.02237	-.09792	-.18771	-.15142
-4.036	.665	-.00162	.00916	.00564	.00352	-.00373	.02141	-.09422	-.18378	-.14466
-4.058	.687	.00042	.00963	.00594	.00369	-.00391	.02255	-.09830	-.18799	-.14742
-4.024	.709	.00028	.00885	.00551	.00333	-.00353	.02094	-.09167	-.18182	-.13820
-4.052	.730	-.00153	.00892	.00557	.00335	-.00356	.02115	-.09235	-.18090	-.13745
-4.060	.748	.00040	.00942	.00577	.00365	-.00387	.02191	-.09580	-.18561	-.13789
-4.086	.766	-.00150	.00934	.00573	.00361	-.00382	.02177	-.09505	-.18418	-.13519
-4.106	.786	.00042	.00930	.00564	.00366	-.00387	.02141	-.09387	-.18280	-.13073
-4.014	.800	.00040	.01182	.00700	.00482	-.00509	.02660	-.11552	-.20401	-.14733
-4.017	.800	.00050	.01130	.00671	.00458	-.00484	.02549	-.11109	-.19977	-.14239
-4.008	.798	-.00141	.01182	.00700	.00482	-.00509	.02659	-.11560	-.20434	-.14654
-4.022	.812	.00044	.00940	.00564	.00376	-.00397	.02142	-.09395	-.18223	-.12641
-4.020	.818	-.00144	.01063	.00633	.00430	-.00454	.02405	-.10504	-.19170	-.13330
-4.040	.832	.00047	.00890	.00536	.00355	-.00375	.02034	-.08898	-.17563	-.11705
-4.058	.860	-.00148	.00743	.00449	.00294	-.00311	.01706	-.07619	-.15891	-.09746
-4.117	.906	.00035	.00475	.00305	.00170	-.00181	.01160	-.05161	-.13383	-.06808
-3.975	.901	.00017	.01078	.00628	.00450	-.00475	.02387	-.10281	-.18591	-.11489
-3.985	.901	.00035	.01123	.00655	.00468	-.00494	.02487	-.10731	-.18947	-.12062
-3.985	.900	-.00147	.01099	.00640	.00459	-.00485	.02429	-.10483	-.18748	-.11673
-3.972	.892	.00023	.01267	.00731	.00536	-.00565	.02777	-.11941	-.20323	-.13230
-4.003	.921	.00025	.00639	.00388	.00252	-.00266	.01472	-.06467	-.14503	-.07837
-3.999	.921	.00032	.01069	.00619	.00450	-.00475	.02351	-.10111	-.18404	-.11191
-3.988	.909	.00021	.01321	.00759	.00561	-.00592	.02885	-.12331	-.20655	-.13485
-4.017	.940	.00027	.00917	.00535	.00383	-.00404	.02032	-.08723	-.16906	-.09896
-4.024	.940	.00027	.00987	.00570	.00417	-.00440	.02166	-.09298	-.17642	-.10543
-4.016	.940	.00023	.01057	.00609	.00448	-.00472	.02315	-.09315	-.18112	-.11172
-3.998	.928	-.00153	.01215	.00696	.00519	-.00547	.02644	-.11275	-.19766	-.12722
-4.029	.950	.00029	.01032	.00595	.00437	-.00461	.02262	-.09695	-.17688	-.10945
-4.036	.950	.00023	.01017	.00584	.00433	-.00457	.02217	-.09554	-.17643	-.10889
-4.031	.950	-.00154	.01028	.00592	.00436	-.00460	.02247	-.09658	-.17655	-.10863
-4.012	.942	.00021	.01183	.00678	.00505	-.00533	.02576	-.11044	-.19135	-.12245
-4.046	.958	-.00154	.00943	.00542	.00401	-.00438	.02060	-.08907	-.16853	-.10181
-4.053	.959	.00025	.00976	.00561	.00416	-.00443	.02130	-.09200	-.17021	-.10343
-4.033	.952	.00012	.01164	.00664	.00499	-.00526	.02523	-.10849	-.18608	-.12064
-4.075	.974	.00028	.00846	.00487	.00359	-.00379	.01849	-.08046	-.15468	-.09063
-4.083	.979	.00017	.00840	.00480	.00359	-.00379	.01824	-.07921	-.15159	-.08819
-4.085	.979	-.00153	.00873	.00494	.00379	-.00399	.01877	-.08165	-.15389	-.09101
-4.053	.962	.00026	.01261	.00711	.00550	-.00579	.02701	-.11612	-.18841	-.12306
-4.087	.993	.00009	.00624	.00364	.00260	-.00275	.01382	-.06091	-.13181	-.06916

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 498

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,2

(TCOAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAQ	CPBAT	CPBAS
-4.120	1.015	.00002	.00528	.00309	.00219	-.00231	.01172	-.05175	-.11769	-.05672
-3.981	1.018	-.00016	.00824	.00468	.00356	-.00375	.01777	-.07613	-.14305	-.06619
-3.980	1.016	-.00000	.00864	.00489	.00375	-.00395	.01856	-.07929	-.14778	-.06897
-3.981	1.019	-.00009	.00829	.00469	.00360	-.00379	.01782	-.07655	-.14324	-.06623
-3.978	1.024	-.00014	.00744	.00421	.00323	-.00340	.01600	-.06867	-.13666	-.05630
-3.992	1.029	-.00186	.01117	.00617	.00500	-.00526	.02343	-.09826	-.17147	-.07361
-4.007	1.049	-.00039	.00770	.00426	.00343	-.00361	.01619	-.06819	-.13974	-.04327
	GRADIENT	.00060	-.00329	-.00322	-.00007	.00013	-.01222	.05821	.11279	.21452

DATE 10 SEP 92

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

PAGE 499

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TCOB11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7982/ 0 RN/L = 2.66

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-4.002	1.048	-.00051	.01610	.00883	.00727	-.00765	.03355	-.14019	-.21735	-.11662
-4.000	1.042	-.00032	.01401	.00765	.00635	-.00668	.02907	-.12139	-.19848	-.09438
-4.012	1.040	-.00045	.01298	.00709	.00589	-.00620	.02694	-.11269	-.18963	-.08334
-3.999	1.064	-.00058	.00679	.00375	.00304	-.00320	.01425	-.05981	-.13144	-.03421
-3.987	1.063	-.00062	.01895	.01031	.00864	-.00908	.03917	-.16389	-.24547	-.13429
-4.000	1.059	-.00051	.01883	.01023	.00860	-.00904	.03886	-.16247	-.24309	-.13333
-4.003	1.041	-.00038	.02210	.01201	.01009	-.01061	.04562	-.19102	-.27172	-.15969
-4.014	1.078	-.00217	.01866	.01013	.00853	-.00897	.03849	-.16127	-.24107	-.13418
-4.012	1.079	-.00053	.02146	.01165	.00981	-.01032	.04424	-.18534	-.26902	-.16184
-4.007	1.080	-.00219	.02139	.01162	.00977	-.01027	.04412	-.18489	-.26772	-.16000
-4.006	1.080	-.00056	.02137	.01162	.00975	-.01025	.04414	-.18495	-.26701	-.15946
-4.004	1.080	-.00045	.02147	.01168	.00979	-.01030	.04435	-.18574	-.26872	-.16317
-4.007	1.080	-.00055	.02142	.01165	.00977	-.01028	.04423	-.18523	-.26805	-.16093
-4.008	1.080	-.00047	.02136	.01161	.00975	-.01025	.04412	-.18473	-.26750	-.16048
-4.009	1.080	-.00058	.02121	.01154	.00967	-.01017	.04382	-.18348	-.26630	-.15965
-4.001	1.080	-.00054	.02143	.01165	.00978	-.01029	.04424	-.18524	-.26855	-.16200
-4.000	1.075	-.00058	.02216	.01206	.01010	-.01062	.04580	-.19184	-.27504	-.16755
-3.943	1.011	-.00005	.00687	.00399	.00287	-.00303	.01517	-.06593	-.13144	-.06408
-3.939	1.069	-.00231	.01461	.00796	.00665	-.00700	.03023	-.12642	-.20439	-.09730
-3.925	1.079	-.00219	.02085	.01135	.00950	-.00899	.04310	-.18050	-.26314	-.15819
-3.930	1.100	-.00196	.01876	.01020	.00855	-.00899	.03876	-.16234	-.24592	-.14181
-3.843	1.162	-.00051	.01176	.00640	.00536	-.00564	.02432	-.10196	-.17848	-.07547
-4.004	1.101	-.00181	.01868	.01020	.00848	-.00892	.03875	-.16250	-.24335	-.14584
-3.996	1.100	-.00184	.01877	.01025	.00852	-.00896	.03892	-.16332	-.24419	-.14759
-3.979	1.089	-.00011	.02051	.01126	.00940	-.00988	.04279	-.17925	-.25904	-.15304
-3.974	1.087	-.00182	.02066	.01116	.00935	-.00983	.04240	-.17938	-.26036	-.15167
-3.957	1.080	-.00182	.02209	.01204	.01005	-.01057	.04573	-.19161	-.27242	-.16549
-3.965	1.081	-.00010	.02068	.01127	.00941	-.00990	.04280	-.17938	-.26058	-.15820
-3.972	1.083	-.00024	.02072	.01130	.00941	-.00990	.04294	-.17995	-.26011	-.15764
-3.935	1.137	-.00010	.01328	.00729	.00598	-.00630	.02770	-.11646	-.19178	-.11135
-3.935	1.147	-.00179	.01344	.00736	.00609	-.00640	.02794	-.11710	-.19259	-.09448
-3.934	1.150	-.00018	.01381	.00754	.00627	-.00659	.02865	-.11993	-.19533	-.09412
-3.930	1.150	-.00185	.01390	.00759	.00631	-.00663	.02883	-.12084	-.19609	-.09457
-3.923	1.133	-.00174	.01671	.00913	.00759	-.00798	.03466	-.14532	-.22040	-.11836
-3.920	1.027	-.00004	.02774	.01517	.01257	-.01322	.05760	-.24110	-.32488	-.21175
-3.880	.986	.00028	.01054	.00602	.00451	-.00476	.02288	-.09869	-.16223	-.10758
-4.083	1.006	.00032	.00496	.00301	.00195	-.00206	.01143	-.05075	-.11631	-.05830
-4.065	1.092	-.00177	.01388	.00755	.00633	-.00666	.02867	-.12014	-.19459	-.09854
-4.008	1.151	-.00185	.01222	.00671	.00552	-.00580	.02548	-.10741	-.18399	-.10556
-4.016	1.185	-.00020	.01143	.00624	.00519	-.00546	.02369	-.09916	-.17468	-.07309
-4.012	1.198	-.00022	.01269	.00690	.00579	-.00609	.02621	-.10985	-.18521	-.07934
-4.051	1.246	-.00185	.01304	.00711	.00594	-.00624	.02700	-.11311	-.18582	-.08602
-4.042	1.250	-.00014	.01339	.00729	.00611	-.00642	.02767	-.11602	-.18723	-.08544

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TCOC11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-4.038	1.251	-.00190	.01383	.00753	.00630	-.00662	.02862	-.11990	-.19180	-.09035
-4.037	1.236	-.00013	.01551	.00844	.00707	-.00743	.03208	-.13432	-.20547	-.10435
-4.030	1.227	-.00185	.01467	.00799	.00667	-.00702	.03036	-.12707	-.20073	-.09656
-4.029	1.228	-.00003	.01431	.00780	.00651	-.00685	.02963	-.12403	-.19720	-.09260
-4.045	1.253	-.00184	.01289	.00703	.00586	-.00616	.02672	-.11187	-.18297	-.08351
-4.046	1.263	-.00006	.01333	.00727	.00606	-.00638	.02761	-.11583	-.18603	-.08535
-4.048	1.272	-.00174	.01318	.00718	.00601	-.00632	.02725	-.11415	-.18358	-.08232
-4.046	1.280	.00006	.01350	.00734	.00617	-.00649	.02786	-.11661	-.18645	-.08582
-4.043	1.294	-.00005	.01268	.00690	.00578	-.00608	.02621	-.10959	-.17769	-.07749
-4.054	1.307	-.00002	.01348	.00733	.00615	-.00647	.02786	-.11629	-.18541	-.08486
-4.046	1.311	-.00004	.01378	.00748	.00630	-.00662	.02841	-.11861	-.18654	-.08561
-4.061	1.321	-.00007	.01305	.00710	.00596	-.00626	.02696	-.11243	-.17910	-.08786
-4.043	1.327	-.00018	.01418	.00770	.00648	-.00681	.02925	-.12202	-.18834	-.08739
-4.038	1.326	-.00187	.01426	.00775	.00652	-.00685	.02942	-.12283	-.18891	-.08722
-4.043	1.332	-.00014	.01373	.00746	.00627	-.00659	.02835	-.11846	-.18516	-.08405
-4.047	1.342	-.00021	.01365	.00741	.00624	-.00656	.02816	-.11774	-.18411	-.08415
-4.038	1.346	-.00196	.01375	.00747	.00628	-.00661	.02838	-.11858	-.18415	-.08454
-4.042	1.362	-.00014	.01348	.00731	.00617	-.00649	.02775	-.11594	-.18134	-.07964
-4.043	1.354	-.00181	.01465	.00795	.00670	-.00705	.03021	-.12630	-.19248	-.08884
-4.039	1.356	-.00013	.01373	.00745	.00628	-.00660	.02830	-.11834	-.18447	-.08275
-4.043	1.362	-.00020	.01442	.00784	.00658	-.00692	.02977	-.12437	-.18885	-.08456
-4.057	1.367	-.00013	.01437	.00782	.00656	-.00690	.02969	-.12422	-.18919	-.08580
-4.106	1.376	-.00023	.01411	.00767	.00644	-.00677	.02915	-.12199	-.18679	-.08134
-3.990	1.382	-.00185	.01421	.00772	.00649	-.00683	.02933	-.12264	-.18733	-.08085
-3.986	1.390	-.00019	.01416	.00769	.00647	-.00681	.02922	-.12214	-.18611	-.07964
-3.988	1.407	-.00208	.01285	.00698	.00587	-.00617	.02650	-.11065	-.17349	-.06717
-3.993	1.404	-.00033	.01463	.00797	.00666	-.00700	.03026	-.12616	-.18786	-.08033
-4.002	1.388	-.00045	.01666	.00906	.00760	-.00800	.03441	-.14360	-.20580	-.09953
-3.974	1.278	-.00228	.02132	.01155	.00978	-.01028	.04386	-.18337	-.24568	-.13484
-3.955	1.360	-.00026	.01319	.00709	.00610	-.00641	.02693	-.11242	-.17241	-.06620
-4.018	1.381	-.00049	.01499	.00813	.00687	-.00722	.03087	-.12916	-.19380	-.09080
-4.028	1.378	-.00021	.01552	.00842	.00710	-.00746	.03199	-.13382	-.19924	-.09285
-4.036	1.383	-.00019	.01502	.00814	.00688	-.00723	.03093	-.12937	-.19568	-.08799
-4.041	1.393	-.00021	.01551	.00840	.00711	-.00748	.03191	-.13336	-.19717	-.08610
-4.046	1.402	-.00186	.01674	.00907	.00766	-.00806	.03446	-.14368	-.20564	-.08921
-4.056	1.410	.00001	.01641	.00891	.00750	-.00789	.03385	-.14121	-.20650	-.08794
-4.048	1.415	.00003	.01676	.00911	.00766	-.00805	.03458	-.14424	-.20902	-.08920
-4.049	1.419	-.00160	.01586	.00862	.00724	-.00761	.03276	-.13651	-.19896	-.08795
-4.048	1.421	.00024	.01599	.00870	.00729	-.00767	.03303	-.13768	-.20028	-.09243
-4.042	1.432	.00055	.01569	.00854	.00715	-.00752	.03244	-.13522	-.19745	-.09175
-4.046	1.448	.00056	.01485	.00808	.00677	-.00712	.03068	-.12770	-.18883	-.08505
-4.045	1.456	.00054	.01462	.00795	.00667	-.00702	.03019	-.12589	-.18683	-.07967
-4.053	1.463	.00071	.01448	.00786	.00662	-.00696	.02985	-.12423	-.18258	-.07800

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(TCODI1) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNB0	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-4.048	1.468	.00082	.01428	.00775	.00652	.00686	.02945	.12248	.18069	.07594
-4.050	1.472	.00085	.01441	.00782	.00658	.00691	.02972	.12380	.18190	.07659
-4.022	1.478	.00076	.01439	.00782	.00657	.00691	.02970	.12357	.18195	.07565
-3.885	1.484	.00068	.01412	.00766	.00646	.00679	.02911	.12115	.18016	.07370
-3.872	1.528	.00167	.01275	.00691	.00584	.00614	.02625	.10897	.16705	.06246
-3.872	1.542	.00004	.01485	.00805	.00679	.00714	.03059	.12696	.18634	.07441
-3.863	1.550	.00153	.01518	.00823	.00696	.00731	.03125	.12975	.18856	.07526
		.00283	.00195	.00098	.00097	.00101	.00372	.01226	.03440	.06510
	GRADIENT									

(TCODI1) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7984/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

ALPHA	MACH	BETA	CNB	CNB0	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-3.858	1.549	.00002	.01559	.00844	.00714	.00751	.03207	.13314	.19183	.07814
-3.866	1.549	.00157	.01561	.00846	.00716	.00752	.03212	.13345	.19213	.07808
-3.865	1.549	.00002	.01570	.00851	.00719	.00756	.03232	.13419	.19251	.07881
-3.870	1.549	.00003	.01569	.00851	.00718	.00755	.03231	.13412	.19260	.07840
-3.868	1.549	.00002	.01567	.00850	.00717	.00754	.03227	.13399	.19297	.07870
-3.862	1.549	.00004	.01569	.00851	.00717	.00754	.03234	.13429	.19271	.07920
-3.864	1.519	.00051	.01472	.00798	.00674	.00708	.03033	.12598	.18515	.07780
-3.850	1.504	.00046	.01429	.00775	.00654	.00688	.02944	.12239	.18032	.07561
-3.861	1.492	.00049	.01414	.00767	.00647	.00681	.02912	.12134	.17885	.07288
-3.849	1.480	.00048	.01436	.00779	.00657	.00691	.02961	.12338	.18130	.07309
-3.887	1.464	.00040	.01485	.00807	.00677	.00712	.03067	.12773	.18619	.08351
	GRADIENT	.01023	.01680	.00891	.00789	.00829	.03386	.13512	.14260	.01632

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